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इस भाग में भिन्न पूष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके। [Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग Ш—खण्ड 2

[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस [Notifications and Notices issued by the Patent Office relating to Patents and Designs]

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PATENTS AND DESIGNS

Calcutta, the 3rd September 1983

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APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 214 ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700 017

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

28th July, 1983

- 932/Cal/83. Toatsu Chemcials, incorporated. Method for the Purification of Propylene Polymers.
- 933/Cal/83. E. I. Du Pont De Nemours & Company. Process for making Raney Nickel Coated Cathode, and Product thereof.
- 934/Cal/83. Trutzschler Gmbh & Co. Kg. A system for air conditioning a preparatory plant of a spinning factory.
- 935/Cal/83. Klein, Schanzlin & Becker Aktiengesellschaft.
 A housing box for rotary pumps.

1-227GI/83

- 936/Cal/83. Maschinenfabrik Buckau R. Wolf A. G. Improvements in a process for purifying waste gases or exhaust gases containing acidic components and other harmful gaseous substances [Divisional date 28th January, 1980].
- 937/Cal/83. F. I. Smidth & Co. A/S. Method of protecting a thyristop switch of a pulse generator (28th July, 1983).
- 938/Cal/83. Ardian Anthony Cecil March. Position Senor (28th July, 1982).

29th July, 1983

- 939/Cal/83. Ram Prakash Aneja & National Dairy Development Board. Improvements in or relating to a method of separating the solid contents known as 'Maska' or 'Chakka' from curd.
- 940/Cal/83. Ram Prakash Aneja & National Dairy Development Board. Improvement in or relating to a method for the prolonged storage of 'Maska or the solid contents obtained from curds.
- 941/Cal/83.. Ram Prakash Aneja & National Dairy Development Board. Improvement in or relating to a method of maintaining the keeping quality or shelf life of 'Shrikhand' being a sweet prepared from 'Maska' or the solid contents obtained from curds.
- 942/Cal/83. Hoechst Aktiengesclischaft, Process for the preparation of water soluble azo dyestuffs compounds [Divisional date 1st December, 1980].
- 943/Cal/83, Federal-Mogul Corporation. Abrasive cutting wheel.
- 944/Cal/83. Xerox Corporation. Compatible Copying of computer form documents.
- 945/Cal/83. Xerox Corporation. Document Deskewing system.
- 946/Cal/83. Xerox Corporation. Controlled Frictional Feeding of Computer forms web.
- 947/Cal/83. Xerox Corporation. Document Deskewing sys-
- 948/Cal/83. Xcrox Corporation, Copier display panel.
- 949/Cal/83. Xerox Corporation. Higher productivity recirculative document copying.
- 950/Cal/83. Xerox Corporation. Higher productivity recirculative document copying.

30th July, 1983

- 951/Cal/83. Degussa Aktiengesellschaft. Inert salt bath for heating steel.
- 952/Cal/83. GNB Batteries Inc. Appratus and method for supplying electrode plates in the assembly of battery cell elements.
- 953/Cal/83. Schlumberger Limited. Outrigger arm displacement mechanism and method.
- 954/Cal/83. The Plessey Company Plc. Telecommunications digital switchblock (30th July 1982).

1st August, 1983

- 955/Cal/83. Yair Daar & Shimon Yahav. Appratus for hair removal.
- 956/Cal/83. Simens Aktiengesellschaft. Multi-pole high voltage circuit breaker.

2nd August, 1983

- 957/Cal/83. Beloit Corporation. Improved drying and runnability for high speed paper making machines.
- 958/Cal/83. Societe Nationale Flf Aquitaine (Production).

 Method of synthesis of mercaptans from olefines and sulfure hydride by heterogen catalysts.
- 959/Cal/83. Eurometaal N. V. A method of making an armor piercing bullet.
- 960/Cal/83. American Standard Inc. Vital solid state relay for railroad alternating current track circuits,

3rd August, 1983

- 961/Cal/83. Satya Ranjan Panja, Waterman.
- 962/Cal/83, Satya Ranjan Panja. Hydraulic actuated cart wheel (Hydac).
- 963/Cal/83. Satya Ranjan Panja. Fly roof.
- 964/Cal/83, Satya Ranjan Panja, Adjustable operation Ree machine mounded manhole door (Armado).
- 965/Cal/83. The Babcock & Wilcox Company. Constant current source for field contact input.
- 966/Cal/83. The Babcock & Wilcox Company. Sootblowing optimization.
- 967/Cal/83. The Babcock & Wilcox Company, Color graphic cathode ray tube display using writeable character fonts.
- 968/Cal/83. Multi-arc vacuum systems Inc. Electrode arc vapor deposition electrode apparatus.
- 969/Cal/83. Multi-arc vacuum systems Inc. Planetary substrate support apparatus for vapor vacuum deposition coating.
- 970/Cal/83. Voest-Alpine Aktiongoscillschaft. Cutting head for drift advancing machines and process for producing same.
- 971/Cal/83. Voest-Alpine Aktiengesellschaft. Cutting head for drift advancing machines.
- 972/Cal/83. Hoechst Aktiengesellschaft. Lipoid surfactants a process for their isolation and their use.
- 973/Cal/83. The Marley Cooling Tower Company. Air stream entrained water eliminator for cross flow cooling tower.
- APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, JIIRD FLOOR, KAROL BAGH, NEW DELHI-5

20th June, 1983

- 419/Del/83. Sulzer Brothers Limited, "Distribution Valve". (March 1, 1983).
- 420/Del/83. Sulzer Brothers Limited, "Gate Valve". (March 9, 1983).

21st June, 1983

- 421/Del/83. Sinter Limited, "A process and device for preparing plastic-coated backing webs".
- 422/Del/83. Richter Gedeon Vegyeszeti Gyar R.T., "Process for the preparation of 1-alkyl-or 1, 4-Dialkyl-1H-Pyrrole-2-Acetic Acid Esters".

22nd June, 1983

- 423/Del/83. Union Carbide Corporation, "A method for recovering high purity Cr₂O₃ from chromium ore". (Divl. date Nov. 22, 1979).
- 424/Del/83. Tesa S.A., "Capacitive device for the measurement of displacements".
- 425/Del/83. W & T Avery Limited, "Concrete surface weighbridges". (August 11, 1982).
- 426/Del/83. Otis Elevator Company, "Elevator Buffer".

24th June, 1983

- 427/Del/83. Shri Ram Institute for Industrial Research, "A process for the preparation of polyester resins".
- 428/Del/83. Shri Ram Institute for Industrial Research, "A process for the preparation of dibromoneopentyl glycol."
- 429/Del/83. Shri Ram Institute for Industrial Research, "A process for the preparation of chlorendic anhydride.

27th June, 1983

- 430/Del/83, The Scoretary of State for Defence in Her Britannic Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, "Liquid Crystal devices". (June 29, 1982).
- 431/Del/83. Union Carbide Corporation, "Safety non-resealable pressure relief device for galvanic cells".
- 432/Del/83. Entreprise Gagneraud Pere & Fils, "Installation for continuous treatment of molten materials".

28th June, 1983

433/Del/83. Union Carbide Corporation, "Method for producing low hydrogen content in steels produced by subsurface pneumatic refining".

29th June, 1983

- 434/Del/83. Castrol Limited, "Liquid dispensing system". (July 1, 1982).
- 435/Del/83. Dorr-Oliver Incorporated, "Feed seal for bottom feed centrifuge".

30th June, 1983

- 436/Del/83. Council of Scientific and Industrial Research, "A process for the preparation of a soil fertiliser composition".
- 437/Del/83. Council of Scientific and Industrial Research, "Process for the conversion of methanol to hydrocarbons".
- 438/Del/83. Council of Scientific and Industrial Research, "Process for manufacture of activated charcoal from waste materials".
- 439/Del/83. Council of Scientific and Industrial Research, "A process for the synthesis of anthelmintic 2, 2'—dicarbalkoxyamino-5, 5'-dibenzimidazolyl ketones".

1st July, 1983

- 440/Del/83. G. D. Societa' Per Azioni, "A device for sharpening rotating blades".
- 441/Del/83. BNF Metals Technology Centre, "Continuous method of removing tin from lead". (July 16, 1982).
- 442/Del/83. Britak (Wingard) Limited, "Safety belt buckles". (July 2, 1982).
- 443/Del/83. Shri Ram Institute for Industrial Research, "A polycster blended resin".
- 444/Del/83. Shri Ram Institute for Industrial Research, "A process for the preparation of tetrachlorophthalic anhydride based polyester resin".
- 445/Del/83. Shri Ram Institute for Industrial Research, "A process for the preparation of dibromoneopentyl glycol based polyester resins".
- 446/Del/83. Mohammed Shakir Qidwai, "A bio gas digester".
- 447/Del/83. Central Distillery & Breweries Limited, "A process of the preparation of alcohol".

2nd July, 1983

- 448/Del/83. Dr. Rajindra Kishore Bhatnagar and Sanjeev Bhatnagar, "A process for dewaxing of crude ricebran oil".
- 449/Del/83. Duryodhan Kisanji Dharmic, "Improvements in or relating to compact septic tanks for use in latrines, toilets or the like".

4th July, 1983

- 450/Del/83. Anil Agrawal, "Casing-end detector and underground measuring instrument".
- 451/Del/83. Atlas Pile Control, Inc. "Rig piling clamp apparatus".
- 452/Del/83. Akt Consultants Pty Limited, "Dehydrator".
- 453/Del/83. Armoo Inc. "Laser treatment of electrical steel and optical scanning assembly therefor."

- 454/Del/83. Armco Inc., "Laser treatment of electrical steel". 5th July, 1983
- 455/Del/83. Shri Ram Institute for Industrial Research, "A method of treating a glass fiber or filament".
- 456/Del/83. Shri Ram Institute for Industrial Research, "A process for the preparation of het acid and dibromoneopentyl glycol based polyester resins".
- 457/Del/83. The Regents of the University of California, "Dynorphin amide analogs".
- 458/Del/83. Bicc Public Limited Company, "An improved flexible clongate body". (July 19, 1982).
- 459/Del/83. Britax (Wingard) Limited, "Rear view mirror". (July 17, 1982).
- 460/Del/83. Hanford N. Lockwood Jr., "Pressure-responsive shut-off valve".

6th July, 1983

- 461/Del/83. Council of Scientific and Industrial Research, "Process for the manufacture of a foil type resistance strain gauge device".
- 462/Del/83. Gestetuer Manufacturing Limited, "Duplicating stencil". (July 22, 1982 & November 2, 1982).
- 463/Del/83. The Standard Oil Company, "Process for the production of hydrocyanic acid from carbon monoxide and ammonia".
- 464/Del/83. Societe Nationale Industriclle Aerospatiale, "Hub plate for a helicopter rotor, method of manufacturing it and a helicopter rotor hub equipped with plates".
- 465/Del/83. I. P. Sharma, "New process for the manufacture of oil expeller worms, cones and bushes by forging".

7th July, 1983

- 466/Del/83. Ajinomoto General Foods Protein, Inc., "Process for the production of meat-like foodstuffs".
- 467/Del/83. Paul Wurth S.A., "Method and apparatus for controlling the movement of an oscillating spout".

8th July, 1983

- 468/Del/83. Arthur Shaw Manufacturing Limited, "Fastener for sliding doors or windows". (July 24, 1982).
- 469/Del/83. Prashubh Batham, "Leg pressing machine".
- APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, TODI ESTATES, 3RD FLOOR, LOWER PAREL, BOMBAY-400 013

The 6th July 1983

- 217/Bom/83, Vishnu Vasudeo Mujumdar. Flexible Wheel/ Pulley.
- 218/Bom/83. Asim Nagree. Settle-Cum-Bed.
- 219/Bom/83. Pynadath Thomas Joy. Profile Machinery.

The 7th July 1983

220/Bom/83. Sandvik Asia Ltd. An improved process for the recovery of tungsten from tungsten bearing material and an apparatus therefor.

The 11th July 1983

- 221/Bom/83. W. Schlafhorst & Co., (UK/12-1-83). Preparation unit for preparing a thread End.
- 222/Bom/83. Crompton Greaves Ltd. An improved impeller for use in a regenerative side channel pump and a regenerative side channel pump having the same.

The 13th July 1983

223/Bom/83. Manoj Chakubhai Donga & Savitaben R. Movalia. Unique Flasher.

224/Bom/83. Dayalbhai Bhikhabhai Patel. Improvements in or relating to remote control Electronic fire alarms and the like.

224/Bom/83. Dayalbhai Bhikhabhai Patel. Equipment to determine Indentation hardness of foam rubber.

225/Bom/83. Bombay Textile Research Association, Modified Fibre Retriever for card.

The 15th July 1983

226/Bom/83. Hoechst Pharmaceuticals Limited. A process for the preparation of novel pharmacologically active pyrimido (4, 5-b) indole derivatives.

The 18th July 1983

227/Bom/83. Ajay Rajkumar Agrawal Folding Tiffin Carrier.

The 20th July 1983

228/Bom/83. Trident Take-Ups. Improved reversing traverse and follower means thereof.

229/Bom/83. Bonduct Processors Pvt. Ltd. Improvements in roll bond process with built in passage of dissimilar materials.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

The 26th July, 1983

163/Mas/83. V. V. T. Thirupathy. Puncture Preventing Tyre.

The 29th, July 1983

164/Mas/83. The Travancore Mats & Matting Co., a partnership firm whose partners are V. V. Pavithran, V. R. Prasad, V. V. Jayaram, V. V. Babu, V. V. Haridas, V. V. Pyerilal, K. P. Kumar, K. Girija & V. V. S. Kumar. Method for edge finishing coir brush mats and like materials.

165/Mas/83. Sree Chitra Tirunal Institute for Medical Sciences & Technology. Improvements in/or relating to blood storage containers or bags.

The 30th July, 1983

166/Mas/83, K. T. Chandwalker & Dr. M. V. Oppen, Improved Automatic Reversing Valve System.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/(postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS-172D(3).

151901.

Int. Cl. D01h 11/00.

APPARATUS FOR SEPARATELY STRINGING-UP INDIVIDUAL OPEN-END SPINNING UNITS.

Applicants: SCHUBERT & SALZER MASCHINENFAB-RIK AKTIENGESELLSCHAFT, OF FRIEDRICH-EBERT-STRASSE 84, 8070, INGOLSTADT, GERMANY.

Inventors: (1) ERWIN BRAUN, (2) ERICH BOCK, (3) KARL HANDSCHUCH AND (4) EDMUND SCHULLER.

Application No. 285/Cal/79 filed March 23, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

Apparatus for separately stringing-up individual spinning units of an open end spinning machine of which each spinning station has a spinning rotor which is covered by a removable hood, a rotor-braking device and a rotor-cleaning device which operates through the hood, characterised in that a common control element disposed in the region of the hood is associated with the rotor-braking device and the rotor-cleaning device, the movement of which control element relative to the closed hood actuates the rotor-cleaning device and the rotor-braking device together and the movement of which control element together with the hood only actuates the rotor-braking device.

Comp. Specn. 28 pages. Drgs. 4 sheets.

CLASS-107C.

151902.

Int. Cl. F 02 f 1/26.

CYLINDER HEAD FOR INTERNAL COMBUSTION ENGINES.

Applicants: MASCHINENFABRIK AUGSBURG-NURN-BERG AKTIENGESELLSCHAFT, OF KATZWANGER STR. 101, D 8500 NURNBERG, WEST GERMANY.

Inventor: DR. ALFRED URLAUB.

Application No. 392/Cal/79 filed April 19, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims .

Cylinder head for internal combustion engines having at least two gas change ports provided with valve seat rings at their combustion chamber end with the valve bridge between the valve seat rings shielded by a plate against the combustion chamber, characterized in that the plate is formed as a heat conducting shield (9) which in the area of the valve bridge (7) between the bridge and the cylinder head wall (6) forms a hollow space and in the area of cylinder head wall members (11, 12) which can be readily cooled is in full contact with said parts.

Comp. Specn. 10 pages. Drgs. 1 sheet.

CLASS--136M, 205B.

151903.

Int. Cl. B 60 c.

A FLUID EXPANDABLE DRUM FOR BUILDING A TREAD AND A RADIAL TREAD PLY BAND IN A TIRE BUILDING MACHINE.

Applicants: NRM CORPORATION, OF 3200 GIL-CHRIST ROAD, P.O. BOX 6338, AKRON, OHIO 44312, U.S.A.

Inventors: MARCUS HOWARD COLLINS, AND JOHN KENNETH SMITH.

Application No. 432/Cal/79 filed April 30, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

8 Claims,

A fluid expandable drum for building a tread and a radial tread ply band in a tire building machine comprising an annular support drum having an annular outer surface thereon, an expandable annular tube element having an inner peripheral surface supported on said annular outer surface of said support drum and an outer annular peripheral surface support means secured to said outer annular peripheral surface of the tube element for movement therewith, a plurality of shoe means connected to said outer annular peripheral surface of the tube element for movement therewith, a plurality of shoe means connected to said support means for movement therewith, said plurality of shoe means cooperating to define an annular building surface thereon which is movable in a radial direction toward and away from said annular support drum upon contraction and expansion, respectively, of said tube element sand tube element being expanded to expand the diameter of said building surface to enable a tread and a radial tread ply band to be removed therefrom.

Comp. Specn. 18 pages. Drgs. 2 sheets.

 $CLASS-14A_2+B.$

151904.

Int. Cl. H 01 m 1/00.

LEAK-PROOF ALKALINE CELL AND ITS PRODUCTION.

Applicant: HITACHI MAXELL, LTD. No. 1-1-88, USHITORA, IBARAKI-SHI, OSAKA.FU, JAPAN.

Inventor: YOSHIO UETANI, YASUYOSHI TANIGUCHI, KENICHI YOKOYAMA AND SEIICHI MATSUSHIMA.

Application No. 552/Cal/79 filed May 29, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims,

A leak-proof alkaline cell comprising a negative electrode collector, a positive electrode and a gasket positioned between said electrodes, characterized in that the negative electrode collector is coated with a film comprising a triazole compound such as herein before described at least at the part facing the gasket.

Comp. Specn. 21 pages. Drg. 1 sheet.

CLASS-95K.

151905.

Int. Cl. B 25 b 13/08, 13/48.

QUICKLY ADJUSTABLE RATCHET WRENCH.

Applicant & Inventor: WERNER W MARTINMAAS, 650 S. ROCK BLVD.—UNIT 3, RENO, NEVADA 89502, UNITED STATES OF AMERICA.

Application No. 616/Cal/79 filed June 14, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims

A quickly adjustable ratchet wrench for rotating objects which have angularly related flat surface surrounding an axis of rotation, said wrench being of the type which has a fixed jaw member having a jaw element and a handle, a movable jaw member having a jaw element and an elongated engaging surface, and means mounting said movable jaw member for linear translatory movement on the fixed jaw member between closed and open positions of said jaw elements, and said wrench being characterized by:

a jaw spring lightly biasing said movable jaw member toward closed position so that said fixed and movable jaw elements normally close lightly upon an object between them;

locking means including a locking face on the fixed jaw member which is selectively engageable with said engaging surface to lock the jaw elements closed upon an object between them;

and a lever pivoted on the fixed jaw member for engaging and disengaging said eneaging surface and said locking face, said lever bearing on said handle when the engaging surface and the locking face are engaged and pivoting away from the handle to disengage them and thereby release the movable jaw member for free linear movement against the bias of the spring, said lever having an arm which is so related to the handle that a user may manually grip the lever arm and not the handle, whereby in normal reciprocating action the movable wrench jaw is alternately locked to grip opposite flat surfaces of an object between the jaw elements and released for free rotation of the jaw elements around angles between adjacent flat surfaces of the object.

Comp. Specn. 18 pages. Drgs. 2 sheets.

CLASS-32A1.

151906.

Int. Cl. C 09 b 29/14, 29/36.

PROCESS FOR THE PREPARATION OF AN ANTHRA-QUINONE-AZO COMPOUNDS.

Applicant: HOECHST AKTIENGESELLSCHAFT, D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventor: HERMANN FUCHS & KLAUS FILZINGER.

Application No. 941/Cal/79 filed September 10, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

Process for the preparation of the compounds of the formula (1)

the R₁s are identical or different, but are not both hydrogen at the same time, and each is a hydrogen atom or a sulfonic acid group; R is a hydrogen atom or a lower nlkyl group; D is the benzene or naphthalene nucleus, which is substituted by the fiber-reactive group Z and can be substituted by 1 to 3 substituents belonging to the group comprising lower alkyl, lower alkoxy, halogen, nitro and sulfo; and n is the number 1 or 2, wherein a compound of the general formula (4)

in which R_1 has the meaning given above, is diazotized selectively by means of an equivalent of sodium nitrite, in the presence of a mineral acid, to give the diazo compound of the general formula (5)

in which R_1 has the meaning given above, and the diazonium salt thus obtained is then coupled in the pH range from 3.5 to 5.5 with an acetylsuccinic acid ester of a lower alkanol, the pH is then adjusted to a value within the range from 9 to 13 to form the pyrazolone compound of the general formula (7)

in which R and R_1 have the meaning given above which is coupled with a diazonium compound of an amine of the general formula (8) in which D, Z and n have the meaning given above.

Comp. Specn. 37 pages. Drgs. 11 sheets.

CLASS—32A₂.

151907.

Int. Cl. C 09 b 67/00.

DYESTUFF PREPARATION CONTAINING OXALKY-LATES OF MODIFIED NATURAL ROSIN ACIDS.

Applicant: HOECHST AKTIENGESELLSCHAFT, D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventor: SODEN AM TAUNUS, KONRAD OPITZ, HUBERT KRUSE, MANFRED SCHNEIDER AND HEINZ UHRIG.

Application No. 942/Cal/79 filed September 10, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calculta.

12 Claims.

A dyestuff preparation comprising dyestuff or optical brightener which is sparingly soluble in water and a water-soluble oxalkylate of the formula (Γ) ,

$A - [-(X-O)_n-H]_m$ (1),

wherein A stands for the radical of

a. modified natural rosin acids obtained by disproportionation, dimerization, hydrogenation, dehydrogenation or by a reaction of aromatic hydroxy compounds or aryl aralkyl or cycloalkyl compounds capable of splitting of halogen with commercial types of colophony, or

b. esterification products of 1 to 4 mols of natural rosin acids modified according to (a) with 1 mol of a dihydric to hexahydric alcohol, or mixtures of these esterification products,

c. maleinate rosins obtained from commercial types of colophony by a reaction with maleic anhydride and subsequent esterification of the anhydride group;

x stands for identical or different groups of the formulae —CH₂—CH₂— and – CH₂—CH_{(CH₃)—;}

n stands for a number of from 8 to 100, and m stands for a number of from 1 to 5.

Comp. Specn. 23 pages. Drg. 1 sheet.

CLASS--83A₁.

151908.

Int. Cl. A 23 j 1/14, 3/00; A 23 l 1/42.

A PROCESS FOR THE PRODUCTION OF VEGETABLE SEED PROTEIN PRODUCT HAVING AN INCREASED WATER-SOLUBILITY.

Applicant: A.E. STALEY MANUFACTURING COMPANY, DOMICILED AT DECATUR, ILLINOIS, UNITED STATES OF AMERICA.

Inventor: PAULETTE ANN HOWARD, MICHAFL FLOYD CAMPBELL AND DAVID THERON ZOLLINGER.

Application No. 1222/Cal/79 filed November 22, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calculta.

10 Claims.—No drawings.

A process for the production of a vegetable seed protein product having an increased water-solubility which comprises subjecting an aqueous vegetable seed protein feed stream containing on a dry solids basis at least 30% by weight vegetable seed protein and having a pH of 6.5 to 9.0 to successive pressure and cavitation cycling in a homogenizer at a temperature from 50°C, to 150°C to increase the water-solubility of the said vegetable seed protein followed by recovering in a manner such as herein described the vegetable seed protein product having improved water-solubility therefrom.

Comp. Specn. 31 pages. Drgs. Nil.

CLASS-93, 123.

151909.

Int. Cl. C 05 c 3/00.

PROCESS FOR PELLETIZING AND GRANULATING AMMONIUM SULFATE.

Applicant: MASCHINENFABRIK BUCKAU R. WOLF A.G. OF 4048, GREVENBROICH 1, LINDENSTR. 43, FEDERAL REPUBLIC OF GERMANY.

Inventor: HORST BECHTHOLD AND ULRICH MOHN. Application No. 19/Cal/80 filed January 3, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calculta.

6 Claims. No drawings.

Process for pelletizing or granulating of ammonium sulfate, characterized in that, that dissolved ammonium sulfate in the most finely divided form with the shortest possible period of dwell is dried in a flow of gas, separated from the same and subsequently without any appreciable time lag is converted with the addition of most finely divided water on a suitable pelletizing or granulating device into a product of suitable grain size, which is dried subsequently.

Comp. Specn, 7 pages. Drgs. Nil.

CLASS-32F2b, 55D2.

151910.

Int. Cl. C 07 d 51/00, A 01 n 9/00.

PROCESS FOR THE MANUFACTURE OF DIAZINON.

Applicants: CONSORTIUM FUR ELEKTROCHEMISCHE INDUSTRIE GMBH, ZIELSTATISTRASSE 20, 8000 MUNCHEN 70, GERMANY.

Inventor: DR. BERND SCHILLING.

Application No. 233/Cal/80 filed February 28, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

Process for the manufacture of diazinon, characterised in that β-isobutytylaminacrotonic acid amide is cyclised with 1 to 1.2 times the molar amount of a substance of the general formula NaOR, in which R represents hydrogen or an alkyl group having 1 to 8 carbon atoms, in a mixture of 0 to 100% by weight of water and an alcohol having 1 to 8 carbon atoms, above 90°C but below the boiling point of the alcohol/water mixture used, and the resulting sodium pyrimidinolate is precipitated by a non-polar solvent that is inert towards the alcoholate and that has a boiling point above that of the alcohol used, and is reacted directly with diethylthiophosphoryl chloride at a temperature of 100 to 130°C to form diazinone.

Comp. Specn. 9 pages. Drg. 1 sheet.

CLASS—140A₂, 40C.

151911.

Int. Cl. C 10 g 29/02, 41/00.

PROCESS FOR TREATMENT OF LUBRICATING OIL TO REMOVE ASH COMPONENTS.

Applicants: PHILLIPS PETROLEUM COMPANY, OF BARTLESVILLE, STATE OF OKLAHOMA, UNITED STATES OF AMERICA.

Inventors: MARVIN MERRILL JOHNSON, GERHARD PAUL NOWACK AND DONALD CALVIN TABLER.

Application No. 1135/Cal/80, filed October 6, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

20 Claims.

A process for the production of an essentially ash-free oil stock from a lubricating oil containing ash-forming components, which comprises:

(a) contacting said lubricating oil with an aqueous solution of a treating agent comprising a suitable ammonium sait under conditions sufficient to disperse said agent in said lubricating oil and to react said agent with ush-forming components of said lubricating oil;

- (b) removing a major portion of the water from the mixture resulting from combining said aqueous solution and said lubricating oil;
- (c) heating at least a portion of the product resulting from step (b) in the temperature range of 320° to 420°C. for a period of time sufficient to decompose at least a portion of any ammonium salts of sulfonic acid and dialkyldithiophosphoric acid that are contained therein;
- (d) adjusting the temperature of the product from step (c) to one in the range of 100° to 180°C; and
 - (e) separating solids from the product of step (d).

Comp. Specn. 22 pages. Drg. 1 sheet.

CLASS-108C3, 130D.

151912.

Int. Cl. C 21 b 13/00.

PROCESS AND APPARATUS FOR CONTINUOUSLY REDUCING AND MELTING OF METAL OXIDES AND/OR PRE-REDUCED METALLIC MATERIALS.

Applicants: VOEST-ALPINE AKTIENGESELLSCHAFT, OF A-1011 VIENNA, FRIEDRICHSTRASSE 4, AUSTRIA.

Inventor: HORST SULZBACHER.

'Application No. 1347/Cal/80 filed December 5, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

Process for continuously reducing and melting a charge of metal oxides, particularly ores and, respectively metallic materials pre-reduced to a large extent, particularly iron sponge if desired together with additives such as slag formers, fluxes and carbon carriers characterized in that the charge is heated to a temperature above its melting temperature within a melting receptacle by complete combustion of fuels, particularly solid fuels such as pit coal dust or brown coal dust, in that carbon, particularly coal dust, is supplied to the hot combustion gases thereby partially converting to CO and H2 and cooling the hot combustion gas essentially consisting of CO2 and H2O, in that this conversion product is with temperatures exceeding 800°C passed in countercurrent through the charge to be supplied to the melting receptacle and is then drawn off with temperatures exceeding 100°C, preferably with a temperature of approximately 150°C, dried and purified and in that, preferably, the dried and purified gas is at least partially supplied to the burners within the melting receptacle and, respectively, or is supplied to the hot effluent gases together with carbon.

Comp. Specn. 24 pages. Drgs. 1 sheet.

CLASS-55E1, 60X2d.

151913.

Int. Cl. A 61 k 9/00; 27/12.

METHOD OF MANUFACTURING SUSTAINED REIEASE PHARMACEUTICAL COMPOSITIONS IN TABLET FORM.

Applicants: THE BOOTS COMPANY LIMITED, OF 1 THANE ROAD WEST, NOTTINGHAM, ENGLAND.

Inventors: JAMES MICHAEL DUNN, AND JOHN FRANCIS LAMPARD.

Application No. 1418/Cal/80 filed December 23, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

A method of manufacturing a sustained release pharmaceutical composition in tablet form comprises the steps of granulating a mixture of an effective amount of an orally active therapeutic agent such as herein described and an erosion promoting agent such as herein described with a solution of a release controlling agent such as herein described in an organic solvent and then pressing the granules so produced into tablets, said method being characterised in that the final tablet contains 0.8 to 1.6% by weight of the release controlling agent and 10 to 7.5% by weight of the erosion promoting agent and the relative amounts of the components of the composition are such that a criticality factor calculated according to equation I

$$\frac{\text{CF} = \text{CA}}{\frac{1}{(\text{CS})}}$$

wherein CF is the criticality factor, CA is the amount of therapeutic agent per tablet in milligrams divided by the amount of release controlling agent per tablet in milligrams and CS is the amount of erosion promoting agent per tablet in milligrams divided by the amount of release controlling agent per tablet in milligrams, lies in the range 20 to 450.

Comp. Specn. 23 pages. Drgs. 4 sheets.

CLASS-32F2c.

151914.

Int. Cl. C 07 c 127/00.

A PROCESS FOR SYNTHESISING UREA.

Applicants: MITSUI TOATSU CHEMICALS, INCORPORATED AND TOYO ENGINEERING CORPORATION BOTH OF NO. 2-5, KASUMIGASEKI 3-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors: SHIGERU INOUE AND HIROSHI ONO. Application No. 1089/Cal/80, filed September 25, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

A process for synthesizing urea which comprises reacting carbon dioxide and ammonia in a urea synthesis zone at urea synthesis pressures and temperatures, separating unreacted carbon dioxide and ammonia from the resultant urea synthesis effluent as a gaseous mixture under pressures substantially equal to said urea synthesis pressures, recycling a sufficient amount of said gaseous mixture to maintain said urea synthesis temperatures at a predetermined level to said urea synthesis zone as gaseous state, and subjecting the balance to condensation under pressures substantially equal to said urea synthesis pressures for recycle as liquid state to said urea synthesis zone

Comp. Specn. 19 pages. Drg. 1 sheet.

CLASS— $32F_{2b}$, $55E_4$, $60X_{2d}$.

151915.

Int. Cl. C 07 d 31/30.

PROCESS FOR PREPARING PYRIDOXIN DERIVATIVES.

Applicants: S.A. LABAZ N.V., 1, AVENUE DE BEJAR, B-1120 BRUSSELS, BELGIUM.

Inventors: MARCEL DESCAMPS & MARCEL URBAIN. Application No. 465/Cal/81, filed May 2, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

Process for preparing pyridoxine derivatives represented by general formula 1

and pharmaceutically acceptable acid addition salts thereof in which R represents a radical -CH-CH-OR2'

$$-CH_2$$
— $(CH_2)_n$ — CH_2 — OR_2 or $-CH$ — $(CH_2)_n$ — CH_2R_2 in which n

represents 0 or 1, X and X_1 , which are different, represent hydrogen or methyl, Y represents hydrogen or methyl and R_2 represents a phenyl group non-substituted or bearing one or two substitution selected from the group consisting of fluorine, chlorine and bromine and of the radicals methyl, ethyl, n-propyl, isopropyl and methoxy a 2-ethyl, 2-n-propyl, 2-isopropyl, or 2-methoxy-phenyl, a 3, 4-dimethoxy phenyl, a 2-iso-propyl-5-methyl-pheny 1 or a 4-chloro-phenyl group, R_1 represents hydrogen, wherein 3-0-(2, 3-epoxy-propyl)- α , α -isopropylidenepyridoxoyl of formula IV of the accompanying drawing is condensed under reflux and in an appropriate solvent with a primary amine of general formula:

H₂N-R

in which R has the same meaning as above to obtain a ketal which is subsequently hydrolysed in a strong acid medium at a temperature between 25 and 80°C to provide the required partial oxine derivative in the form of a free base, this free base being further reacted, if desired, with an appropriate organic or inorganic acid to form a pharmaceutically acceptable acid addition salt.

Comp. Specn. 27 pages. Drg. 1 sheet.

CLASS-32E.

151916.

Int. Cl. C 08 f 3/24,

PROCESS FOR PRODUCTION OF SUSPENSION POLY-TETRAFLUOROETHYLENE.

Applicants: ZAKLADY AZOTOWE IM. F. DZIERZYNSKIFGO, OF LIPOWA STR. 8, TARNOW, POLAND.

Inventors: STEFAN KUPIEC, MRS. HALINA MIESO-WICZ, ZENON HORODYSKI, JACEK ZLONKIEWICZ.

Application No. 877/Cal/81, filed August 7, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims. No drawings.

A process for production of suspension polytetrafluoroethylene in the way of polymerization of tetrafluoroethylene in an aqueous medium in the presence of a redox initiator, characterized by that the polymerization is conducted in two stages, the initial stage at a pressure of below 1 MPa, comprising the period of initiation of the polymerization and formation of first polymer macrograins, and the main, final stage, conducted at the pressure of above 1.5 MPa.

Comp. Specn. 7 pages. Drg. Nil.

CLASS_32B, 40B.

151917.

Int. Cl. B 01 j 11/34.

A PROCESS FOR CONVERTING AN ORGANIC CHARGE IN THE PRESENCE OF A CRYSTALINE ALUMINOSILICATE ZEOLITE CATALYST.

Applicants: MOBIL OIL CORPORATION, OF 150 EAST 42ND STREET, NEW YORK, NEW YORK, 10017, UNITED STATES OF AMERICA.

Inventor: ROGER ALLAN MORRISON.

Application No. 1332/Cal/82 filed November 15, 1982.

Division of Application No. 1224/Cal/78 filed November 13, 1978.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

23 Claims. No drawings.

A process for converting an organic charge under conversion conditions comprising passing said charge over a crystal-line aluminosilicate zeolite having, in the anhydrous state, a formula in terms of mole ratios of oxides as follows:

(R₂O, M'O)_W: (A1₂O₃)X: (Si02)Y: (M"O)_Z

$$\frac{2}{n}$$

wherein W/X is from >0.5 to <3, Y/Z is >20 and Z/X is from > zero to <100, R is a nitrogen cation, M' is a metal from Group IA of the Periodic Table, M' is a metal selected from the group consisting of indium, boron, ruthenium, platinum, chromium, rare earth, vanadium, palladium, molybdenum, mercury, tellurium, silver and a mixture of such metals, and n is the valence of the metal, said composition having the X-ray diffraction pattern substantially as set forth in Table 1 of the specification.

Comp. Specn. 50 Pages. Drg. Nil.

CLASS-39L.

151918.

Int. Cl. C 01 f 7/02.

PROCESS FOR PREPARING ALUMINA BEING SUITABLE FOR LAYER CHROMATOGRAPHY.

Applicants: MAGYAR ALUMINIUMIPARI TROSZT, OF BUDAPEST 1387, HUNGARY.

Inventors: JOZSEF MATYASI, BELA KOKENY, LASZLO ZSEMBERY, GYORGY KAPTAY AND SANDOR NEMETH.

Application No. 648/Cal/79 filed June 25, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims. No drawings.

Process for producing alumina suitable for layer chromatography, characterized in that an aluminium trihydroxide containing 34 to 37% by weight of bayerite, 3 to 5% by weight of pseudobochmite and 60 to 62% by weight of amorphous aluminium trihydroxide is heated at 300°C to 400°C for 2 to 4 hours.

Comp. Specn. 11 Pages. Drg. Nil.

CLASS-167F & H.

151919.

Int. Cl. B 07 b 1/00.

SCREEN FOR VIBRATING CENTRIFUGAL SEPARATION MACHINES.

Applicants: UKRAINSKY NAUCHNO-ISSLEDOVATEL-SKY INSTITUT MEKHANIZATSII I ELEKTRIFIKATSII SELSKOGO KHOZYAISTVA. OF KIEVSKAYA OBLAST, VASILKOVSKY RAION, POSELOK GLEVAKHA-1, USSR.

Inventor: EVGENY SERGEEVICH GONCHAROV.

Application No. 759/Cal/79, filed July 24, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

A screen for vibrating centrifugal separation machines, made in the form of a hollow body of revolution, said screen comprising a plurality of identical truncated cones disposed axially and having perforations in the wall, said cones being connected with one another in succession, the bases of the cones forming a stepped surface oriented so that the major base faces opposite to the movement of the material layer for separating the material being treated.

Comp. Specn. 13 pages. Drgs. 2 sheets.

CLASS-143Ds.

151920.

Int. Cl. B65b 11/00, B65b 39/02, B65b 45/00.

METHOD AND APPARATUS FOR WRAPPING AND PACKAGING COMMODITIES.

Applicants: TEX INNOVATION AB. P.O. BOX 5006, S-421 05 Vastra Frolunda 5, SWEDEN.

Inventor: STURE ANDERSSON.

Application No. 947/Cal/79, filed September 10 1979.

Convention date September 11, 1978/(311,069/78) CANADA.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta,

7 Claims.

Apparatus for wrapping and packaging a commodity and sealing the package so obtained comprising: a packaging unit and a vacuum packaging and sealing unit; the packaging unit having a support bed, the support bed comprising an endless belt; means on one side of the belt for storing a supply of tubing; a commodity loading funnel fixed on the other side of the belt, reciprocating means for opening up the leading end of the tubing and for drawing a length of the tubing in one direction across the belt from the one side to the other side and over the funnel so that a commodity can be loaded into the tubing on the belt through the funnel, the reciprocating means having means thereon to cut and seal the length of tubing at the one side of the belt to form an open-mouth bag, means for moving the belt in a direction transverse to the one direction to leterally transfer the commodity loaded bag from the packaging unit to the vacuum packaging and sealing unit, the vacuum packaging and sealing unit having a support bed to receive the commodity loaded bag, means on the packaging and sealing unit movable in one direction for use in opening up the mouth of the bag, separate means movable in a second direction to enter the open mouth of the bag and to tension it and means to vacuum seal the bag.

Comp. Specn. 31 pages. Drgs. 4 sheets.

CLASS-195C

151921.

Int. Cl. F 16 k 5/00.

WASTE PROOF WATER TAP.

Applicant & Inventor: SASANKO SEKHAR GHOSE 28/C, SUHASINI GANGULY SARANI, CALCUTTA-700 025, WEST BENGAL, INDIA.

Application No. 1063/Cal/79 filed October 11, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

5 Claims.

An improved water tap comprising a valve body, a spring actuated valve stem placed inside the valve body, an inlet for water and an outlet for water, a poppet rubber valve placed at the rear end of the said valve stem which valve is adapted to operate to open and close a port in the valve body by horizontal to-and-fro movement of the valve stem, wherein the front tip of the valve stem touches a cup-nipple joint of a sliding sleeve positioned on a rotatable spindle of a ball bearing assembly, wherein the bearing assembly comprises

- (a) a horizontal rotatable spindle passing through the said bearing assembly,
- (b) a fly wheel with a handle fitted at the rear end of the said rotatable spindle.
- (c) a bearing block with two ball bearings placed by the side of the said fly wheel.
- (d) a circular face plate placed by the side of the said bearing block.
- (e) a pair of arc-shaped fly weights pivotally fitted to said face place,
- (f) a swing plate of double are shape fitted to the 'aid fly weights,
- (g) a pair of inclined slots milled on the webs of the swing plate, and two pins on the fly weights fit into the said slots, and
- (h) a spring loaded sliding sleeve with a guide block and a guide pin and a small bearing on its front side with cup nipple joint placed next to the said swing plate.

Comp. Specn. 7 pages. Drg. 1 sheet.

CLASS-87C

151922

Int. Cl. A 63 b 59/12. A 63 b 59/14.

HOCKEY STICK AND A METHOD FOR THE MANUFACTURE THEREOF.

Applicants: (1) FIRMA INPLAST HANDELSGESELL-SCHAFT MRH. ALTE HANAUER LANDSTRABE INDUSTRIEGEBIET WEST. D-6451 GRORKPOTZENBURG WEST GERMANY. and (2) CHEMISCHE WERKE HIUS AKTIENGESELLSCHAFT. POSTFACH 1320, D.4370 MARL 1, WEST GERMANY.

2-227GI/ 83

Inventor: CHRISTIAN BUCHTING, HEINZ JURETZEK & KLAUS MAHNHOLD.

Application No. 1089/Cal/79, filed October 19, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A hockey stick having a grip portion, a shaft portion and a head portion, characterised in that sound head portion has its impact face formed with an elongate rounded depression, said shaft portion between said head portion and said grip portion is of substantially uniform width, which is greater than that of said grip portion and the density of the material in said head portion being higher than that in said grip portion.

Comp. Specn. 10 pages. Drg. 1 sheet.

CLASS-94G.

151923.

Int. Cl. B 24 d 9/00.

A CENTRIFUGAL MILL COMPRISING A CYLINDRICAL GRINDING DRUM WHICH ROTATES ABOUT ITS OWN AXIS.

Applicants: METALI.GESELLSCHAFT A.G., OF 16 FRANKFURT A.M., REUTERWEG, WEST GERMANY.

Inventors: KONRAD SCHYMURA, FRIEDRICH ROSENSTOCK, HEINRICH GOTE.

Application No. 1223/Cal/79, filed November 22nd, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A centrifugal mill comprising a cylindrical grinding drum, which performs a rotation about its own axis and a revolution in a-circular orbit about a stationary axis of revolution, which is parallel to the axis of the drum, at a constant speed ratio between said rotation and revolution, the distance from the drum axis to the axis of rotation being smaller than the radius of the grinding drum, further comprising a drive mechanism for rotating the grinding drum about the drum axis and for revolving the grinding drum in the circular orbit, a feeder provided at one end of the grinding drum and discharge means provided at the other end of the grinding drum, characterized in that the grinding drum is provided at each end with a generally conical extension, a volute feeder is mounted on the generally conical extension at the feed end, and the generally conical extension at the discharge end is provided with discharge openings in its peripheral wall near its axially outer end.

Comp. Specn. 8 pages. Drg. 4 sheets.

CLASS-98G.

151924.

Int. Cl., F 28 d 21/00.

ROTOR REGENERATIVE HEAT EXCHANGE APPARATUS.

Applicants: THE AIR PREHEATER COMPANY, INC. OF ANDOVER ROAD, WELLSVILLE NEW YORK, UNITED STATES OF AMERICA.

Inventor: HARLAN EUGENE FINNEMORE, RODERICK JAY BAKER.

Application No. 1286/Cal/79, filed December 10, 1979

Appropriate office for opposition proceeding: (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

Rotary regenerative heat exchange apparatus having a central rotor post, a rotor shell concentrically around said rotor post to provide an annular rotor there between, a mass of heat absorbent material carried by said rotor, a rotor housing having apertured end plates at opposite ends of the rotor adapted to direct a heating fluid and a fluid to be heated to and through the rotor, means for rotating the rotor about its axis to alien the heat absorbent material of the rotor with the heating fluid and with the fluid to be heated, a sector plate intermediate and end of the rotor and an end plate adapted to separate the heating fluid from the fluid to be heated, an

axial projection carried by the end edge of the rotor, means supporting the inboard end of the sector plate, an actuating means connected to the outboard end of a sector plate to move it axially toward said axial projection, and means for motivating the actuating means.

Comp. Speen. 10 pages. Drg. 2 sheets.

CLASS-128 A & H.

151925.

Int. Cl. A 61 f 5/45, 13/20.

A METHOD FOR FORMING A BIOCOMPATIBLE TAMPON CONTRACEPTIVE SPONGE

Applicants: VORHAUER LABORATORIES, LTD., OF 130 MCCORMICK AVENUE, 104, COSTA MESA, CALIFORNIA 92626, UNITED STATES OF AMERICA.

Inventors: BRUCE WARD VORHAUER AND THOMAS AUTHER DOBBIE, JR.

Application No. 1300, Cal/80, filed November 21, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A method for forming a biocompatible tampon contraceptive sponge comprising the steps of :

Placing a foam forming prepolymer mixture such as herein described into a mold; and

permitting in a manner such as herein described said mixture to foam in said mold and form a soft, flexible porous sponge, said sponge being formed by said mold into the shape of a flattened ball with one side of said sponge having a recess contoured to fit over the os of the cervix.

Comp. Specn. 16 pages. Drg 1 sheet.

CLASS-32E.

151926.

Int. Cl. C 08 f 1/13.

A PROCESS FOR PRODUCING POLYMERS OF VINYL AND VINYLIDENE HALIDES AND COPOLYMERS THEREOF.

Applicants: THE B.F. GOODRICH COMPANY, OF 277 PARK AVENUE, NEW YORK 10017, UNITED STATES OF AMERICA.

Inventors: BELA KALMAN MIKOFALVY and JAMES WILSON TURNER.

Application No. 1371/Cal/80, filed December 11, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims. No drawings,

A process for producing polymers of vinyl and vinylidene halides and copolymers thereof with each other or either with one or more other monoethylenically unsaturated monomers copolymerizable therewith comprising forming a monomer premix containing the monomer or monomers to be polymerized, the aqueous reaction medium, from 0.05% to 0.05% by weight of a free radical yielding catalyst based on the weight of 100 parts of monomer being polymerized, an emulsifier for the polymerization system, mixing said premix at a temperature below the reactivity of the catalyst or catalysts employed, passing said premix to a reaction zone, emulsion polymerizing said premix in said zone at a temperature in the range of 30°C to 70°C to form a polymer latex containing individual spheres of polymer particles, maintaining the pH in the reaction zone in the range of 3.0°C to 12.0 until the reaction zone, mixing with said polymer latex from said reaction zone, mixing with said polymer latex from 0.05% to 5.0% by weight of an electrolyte, based on

the weight of the polymer in the latex, filtering said latex to recover polymer and friable aggregates of polymer, drying said polymer and friable aggregates of polymer while removing the electrolyte therefrom, and lightly crushing said dried friable aggregates to form individual spheres of polymer particles.

Comp. Specn. 19 pages. Drg. Nil.

CLASS-35C.

151927.

Int. Cl. C 04 b 7/00.

METHOD OF MANUFACTURING PORTLAND POZZOLONA CEMENT.

Applicants: ORISSA CEMENT LJMITED, OF RAJ-GANGPUR-770017, DIST-SUNDARGARH, ORISSA, INDIA.

Inventors: MANZOOR AHSAN.

Application No. 1416/Cal/82, filed December 7, 1982. Ante-dated to June 4, 1980 Application No. 661/Cal/80.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims. No Drawings.

A method of manufacturing Portland Pozzolona cement which comprises intimately intergrinding/intermixing a cement clinker with upto 25% Pozzolonic material, with the addition of gypsum in an amount of upto 5% of the Portland Pozzolona cement, wherein the said cement clinker has the following chemical composition:—

SiO₂ 19.0% to 22.0% CaO 63.0% to 65.0% MgO ... 5.0% to 10.0%

Comp. Specn. 5 pages. Drg. Nil.

CLASS-35C.

151928.

Int. Cl, C 04 b 7/00.

METHOD OF MANUFACTURING PORTLAND BLAST FURNACE SLAG CEMENT.

Applicants: ORISSA CEMENT LIMITED, OF RAJ-GANGPUR-770017, DIST-SUNDARGARH, ORISSA, INDIA.

Inventor: MANZOOH AHSAN.

Application No. 1417/Cal/82, filed December 7, 1982.

Aute-dated to June 4, 1980, Application No. 661/Cal/80.

Appropriate office for opposition proceedings (Rule 4. Patents Rules, 1972) Patent Office, Calcuita.

4 Claims. No Drawings.

A method of manufacturing Portland blast furnace slag cement which comprises intimately intergrinding/intermixing a cement slinker with 35 to 55% of granulated blast furnace slag with the addition of gypsum in an amount of upto 5% of the Portland blast furnace slag cement, wherein the spid cement clinker has the following chemical composition—

SiO₂ .. 10.9% to 22.0% CaO .. 63.0% to 65.0% MgO .. 5.0% to 10.0%

Comp. Specn. 5 pages. Drg. Nil.

CLASS-40F, 47.c, & 84.c.2.

151929.

CLASS-68B, E₁ & 190D.

151931.

Int, Class: F 23 k 3/22 & F 23 g 1/02.

"APPARATUS FOR MEASURING THE FLOW OF FUEL TO THE GASIFIER FOR THE PARTIAL OXIDATION OF A SOLID FINELY DIVIDED TO DUST LIKE FUEL".

Applicant: Krupp-Koppers GMBH., a German company, of Moltkestrasse 29, 4300 Essen1, West Germany.

Inventor: MANFRED FORSTER, ADOLF LINKE & ULRICH GEIDIES.

Application for patent No. 72/Del/79 filed on 31st January, 1979.

Addition to patent application no. 1147/Cal/77.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi.

(2 claims)

An apparatus for measuring the flow of fuel to the gasifier for the partial oxidation of a solid finely divided to dust like fuel, said apparatus comprising a gasifier;

- a radiation vessel contained a suitable radio-active radiation emitter and a window through which radiation emerges;
 - a radiation detector provided with a ionisation chamber;

an inlet duct located between the radiation vessel and the radiation detector to which said fuel for measuring passes;

- a measurement bridge on which the radiation vessel and the radiation detector are fixed;
- a roller track on which the measurement bridge is mounted;
 - a density measuring instrument.

(Complete specification 12 pages. Drawing 2 sheets)

CLASS-201 & 39K.

151930.

Int. Cl. B 01 j 1/04 & 1/06, C 01 b 25/18.

"A METHOD OF PRODUCING PHOSPHORIC ACID PRODUCT OF REDUCED METAL ION BY REMOVING MAGNESIUM AND CALCIUM IONS".

Applicant: AMERICAN PETRO MART, INC., a corporation organized and existing under the laws of the State of Florida, United States of America, of 220 East Main Street, Bartow, State of Florida, United States of America.

Inventor: LEE GERALD CARLSON.

Application for patent no. 282/Del/79 filed on 30th April, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

(6 Claims)

A method of removing magnesium and calcium ions from phosphoric acid in a moving bed ion exchange resin system to obtain a phosphoric acid product of reduced metal ion content, wherein the magnesium and calcium ion-containing phosphoric acid feed liquid is passed through a cation exchange resin bed in a loading column for ion exchange removal of magnesium and calcium ions, and loaded resin is transferred from the loading column to a regeneration column for regeneration and return to the loading column, characterized by the sequence of steps wherein the loader resin is passed from the loading column to a regeneration reservoir column before being passed from the regeneration reservoir column to the regeneration column, and the regenerated resin is passed from the regeneration column into a loading reservoir column in which it is rinsed by passing a rinse liquor through it before being passed from the loading reservoir column into the loading column, said method being further characterized by also including the steps of purging the resin in said loading reservoir column to remove liquid from intersticies of the resin therein and thereby semi-dry the resin and rinsing said semi-dry resin by moving rinse liquor through the semi-dry resin in the loading reservoir so purged before the rinsed resin is transferred into the loading column.

(Complete specification 40 pages. Drawing 1 sheet).

Int. Cl. H 02 j 3/00, 3/12.

"DEVICE FOR CUTTING IN OR OUT ONE OF MORE CONSUMING CIRCUITS OF AN ELECTRIC GENERATOR IN ITS PART-LOAD RANGE".

Applicant: MASCHINENFABRIK AUGSBURG-NURN-BERG AKTIENGESELLSCHAFT, OF DACHAUER STRASSF 667, 8000 MUNCHEN 50, FEDERAL REPUBLIC OF GERMANY, A GERMAN COMPANY.

Inventor: WINFRIFD GOLDBRUNNER & DIETMAR KNUNZ.

Application for patent no. 313/Del/79 filed on 9th May, 1979.

Complete specification left on 4th June, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-1100005.

5 Claims.

Device for cutting in or out one of more power consuming circuits of an electric generator in its part-load range and driven by a wind wheel, characterized in that there is provided a sliding shuttle register actuated by means responsive to the loading condition of the generator, so that the number of revolutions of the generator is maintained essentially constant, and in that a priority selector circuitry is arranged between said sliding shuttle register and said power consuming circuits for relective connection or disconnection of the latter.

Provisional specification 11 pages.

(Complete specification 13 pages. Drawing 1 sheet)

CLASS--160C.

151932.

Int. Cl. B 60 n 1/06.

"VEHICLE SEATS".

Applicant: UOP INC., a corporation organised and existing under the laws of the State of Delaware, United State of America, of Ten UOP Plaza, Algonquin & Mt. Prospect Roads, Des Plaines, IILLinois 60016, United States of America,

Inventor: GEOFFREY WILFRED BARLEY.

Application for Patent no. 350/Del/79 filed on May 18, 1979.

Convention date 20th May, 1978/(20981/78)/& 12th March, 1979/(79/08540)/.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi.

' 11 Claims.

A vehicle seat for a seat occupant who, in particular, is the driver of the vehicle, comprising a seat part, which includes a seat rest (10) and a back rest (11), a base part (1), and means connecting the seat part to the base part, said means comprising a spring suspension by which the back rest is supported on the base part and which is effective to restrict movement of the back rest to a substantially vertical direction, the suspension further comprising coupling means connecting the seat rest to the back rest for movement about at least two horizontal transverse axes through instantaneous centres of rotation as herein before defined said centres being the instantaneous centres of rotation of the high (7) of a seat occupant relative to any two parts of the seat which move relative to each other during upward and downward movement of the seat part relative to the base part, the thigh of the seat occupant being movable longitudinally and pivotally in such a way that the ankle himeaxis of the seat occupant remains stationary relative to the base part.

(Complete specification 24 pages. Drawing 9 sheets).

CLASS-145E₈.

151933.

Int. Cl. D 21 c 3/04.

"IMPROVED PROCESS FOR PULP PRODUCTION FROM LIGNOCELLULOSE MATERIALS".

Applicant: Bayer Aktiengesellschaft, a West German company of 5090, of Leverkusen, Bayerwerk, Federal Republic of Germany.

Inventors: DIETER BAUER, VOLKER HASSMANN, PAUL SCHILLER, KONRAD NONN & KARLHEINZ WOLF.

Application for patent no. 355/Del/79 filed on 21st May, 79.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

8 Claims.

An improved process for pulp production from lignocellulose materials in a known manner in the presence of organic, cyclic compounds containing keto groups and/or hydroxyl groups such as herein described characterised in that said organic, cyclic compounds are employed in the form of a dispersion which contains 30 to 70% by weight of said organic, cyclic compounds, 0.5 to 30% by weight of one or more surface-active agents such as herein described and at least 30% by weight of water and/or organic water-miscible solvents having a boiling point above 80°C.

(Complete specification 23 pages).

CLASS-205BG.

151934,

Int. Cl. B 60 c 25/00.

"APPARATUS FOR HANDLING UNCURED TIRES".

Applicant: The general Tire & Rubber Company, a corporation organised under the laws of the State of Ohio, United States of America, of One General Street, Akron, Ohio 44329, United States of America.

Inventor: JOSEPH HOWARD ALEXANDER.

Application for patent no. 386/Del/79 filed on 30th May,

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi.

5 Claims.

An apparatus for removing an uncured tire band from a tire building drum having horizontal axis of rotation, said apparatus including rail means extending parallel to said axis of said drum, a catriage mounted on said rail means and movable along said rail means in a direction parallel to said tire building drum axis, and a transfer ring mounted on said carriage for holding said incurred tire band, the improvement comprising:

- (a) journal and bearing means having a vertical axis connecting said transfer ring to said carriage, said transfer ring being rotatable relative to said carriage about said vertical axis of said journal and bearing means;
- (b) a first lug surface provided on said transfer ring and a second lug surface provided on said carriage, said first and second lug surfaces being positioned to engage each other to stop the rotation of said transfer ring in a first direction when said transfer ring is axially aligned with said tire building drum;
- (c) a third lug surface provided on said transferring and a fourth lug surface provided on said carriage said third and fourth lug surfaces positioned to engage each other to stop the rotation of said transfer ring in the direction opposite from said first direction when the axis of said transfer ring is disposed at the desired angle to the axis of said building drum for transferring an uncured tire band held by said transfer ring to a suitable transport means;

- (d) first releasable means for holding said first lug surface in engagement with said second lug surface to hold said transfer ring in axial alignment with said tire building drum; and
- (e) second releasable means for holding said third lug surface in engagement with said fourth lug surface to hold said transfer ring with its axis disposed at said desired angle to said axis of said building drum.

Complete specification 17 pages. Drawing 4 sheets.

CLASS-981.

151935.

Int. Cl. F 24 j 3/02, "SOLAR COOKER".

Applican & Inventor: SHIRISH BHAILAL PAI'EL OF NANDA DEEP, NO. 2A CARMICHAEL ROAD, BOMBAY 26, INDIA.

Application No. 233/Bom/80 filed on Aug 1, 1980.

Com. Specn. after provisional left on Aug 10, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rule 1972). Patent Office Bombay Branch.

3 Claims

1. A solar cooker comprises in combination a parabolic solar reflector, a cooking vessel a transparent enclosure like a jar or bowl made of glass or acrylic or other transparent insulating material characterized in that the said enclosure is an inverted jar or the like placed on the base of the reflector completely enclosing either whole or part of the cooking vessel from above, a layer of air allowed to remain between the cooking vessel and the enclosure, the enclosure having no scaled joint above the cooking vessel, so adapted that the solar rays directly or by reflection entering the said transparent enclosure on to the cooking vessel heat the layer of air in the enclosure generating hot convection current which moves up and being unable to escape create a hot air chamber effect on the cooking vessel.

Provisional specification 2 pages. Drawing 1 sheet.

Complete Specification 4 pages. Drawing 1 sheet.

CLASS 43F & 148 (B±H)

151936.

Int. Cl. G \wedge 03 \wedge b 21/00.

HORIZONTALLY REDUCED HALF FRAME DEVICE FOR MAKING A MOTION PICTURE FILM.

Applicant & Inventor: NATESA PILLAI KANNUSAMY RAMALINGAM, NO. 5, NETHAJI STREET, KANAGAM, MADRAS-600 113, TAMIL NADU.

Application No. 202/Mas/80 filed November 12, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

2 Claims.

Horizontally reduced half frame device for making a motion picture film by making an aperture plate, having the horizontally reduced half size frame in the usual camera, shooting the negative half of the film with the said aperture plate by running the film at normal speed in the forward uncetion and shooting the same negative in the opposite direction and processing it and slitting the same in the middle, editing them in order and preparing the negative for printing the respective positive film from the said negative by making and using the said aperture plate in the printer, printing a first message on a positive roll by running the roll in the usual speed so as to print adjacent frames and leave the remaining adjacent frame area masked, printing the second message on the said adjacent unexposed frames of the roll from the tail end to the beginning of the said roll, the said second message being non-consecutive messages upon the said roll in reverse order so that the said two non-consecutive messages can be screened by running the roll on a projector, making and fitting with said aperture plate, first from one end to the other and then at proper sequence from the said other end to the said one end.

(Com. 11 pages. Drwgs. 2 sheets).

CLASS-170A.

151937.

Int. Cl. C 09-g 1/00.

A COMPOSITION FOR CHEMICALLY BRIGHTEN-ING / SMOOTHFNING (POLISHING) / ETCHING METALS AND METALLIC ALLOYS.

Applicants & Inventors: MRS. SYAMALA SWAMINATHAN & KUMARI RAMACHANDRAN SARASWATHY, TRADING IN PARTNERSHIP AS INDIAN HOME PRODUCTS, 3-6-380, IIND FLOOR, HIMAYATNAGAR, II STREET, HYDERABAD-500 029, ANDHRA PRADESH.

Application No. 10/Mas/81 filed January 21, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

25 Claims. No drawing.

A composition for chemically smoothening (polishing)/brightening/etching metals and metallic alloys comprising hydrogen peroxide, at least one aqueous acidic solution and one or more known stabilizing agents.

(Com. 16 pages).

OPPOSITION PROCEEDINGS

(1

The opposition entered by M/s. Concord Lighting (India) Pvt. Ltd. to the grant of a patent on application No. 136513 made by M/s. Philips India Ltd., as notified in the Gazette of India dated 14th June, 1975 has been allowed and the grant of a patent on the application is refused.

(2

The opposition entered by Vinodrai Barchha to the grant of a patent on application No. 150566 made by Council of Scientific and Industrial Research has been treated as deemed to have been not launched due to non-filing of the written statement and a patent has been ordered to be sealed.

(3)

The opposition entered by the Cementation Company Limited to the grant of a patent on application No. 136610 made by Radio Foundation Engineering Limited and Hazarat & Company and notified under this heading in Part-III, Section 2 of the Gazette of India dated the 25th January, 1975 will now proceed in the name of Cemendia Company Limited in view of its amalgamation with Cementation Company Limited.

(4)

An opposition entered by Belpahar Refractories 1.td., to the grant of a patent on application No. 151057 made by Orissa Cement Limited.

(5

An opposition has been etered by Belpahar Refractories Ltd. to the grant of a patent on application No. 151055 made by Orissa Cement Limited.

(6)

An opposition entered by Belpahar Refractories Ltd., to the grant of a patent on application No. 151056 made by Orissa Cement I imited.

(7)

An opposition has been entered by Belpahar Refractories Ltd., to the grant of a patent on application No. 151119 made by Orissa Cement Limited.

(8)

An opposition has been entered by Belpahar Refractories Ltd., to the grant of a Patent on application No. 151118 made by Orissa Cement Limited.

PATENT SEALED

145917 148519 150200 150294 150384 150423 150425 150426 150427 150428 150429 150671 150731 150737 150739 150740 150758 150827 150828 150829 150830 150831 150832 150838 150839 150841 150842

AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that NADERLANDSE CENTRALE ORGANISATIE VOOR TOEGEPAST-NAT UURWETENS-CHAPPELIJK ONDERZOEK, of Juliene van stolberglean 148, The Hague, The Netherlands, have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their application for Patent No. 148125 for "A process for producing a photoconductive polyimide coating upon a substrate and said substrate coated thereby". The amendments are by way of correction, explanation and/or disclaimer so as to describe the invention clearly and precisely. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office Branch, Municipal Market Building, 3rd Floor, Saraswati Marg, Karol Bagh, New Delhi-110005 or copies of the same can be had on payment of the usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this Notification at the Patent Office Branch, New Delhi. If written statement of opposition is not filed within the notice of opposition it shall be left within one month from the date of filing the said notice.

COMMERCIAL WORKING OF PATENTED INVENTION

CHEMICAL LIST NO. IX

The following patentees in the field of Chemical industry are not being commercially worked in India as admitted by the Patentees in the statement filed by them under section 146(2) of the Patents Act, 1970 in respect of calendar year 1981, generally on account of want of requests for licence to work the patented inventions. Persons who are interested to work the said parents commercially may contact the patentees for the grant of licence for the purpose.

S. No.	Patent No.	Date of Patent	Name & address of the patentee	Title of the invention
1 ,	2	3	4	5
1.	146313	6-5-77	Hechsol A.G. of 6230 Frankfurt main 80 Federal Republic of Germany.	Process for the preparation of phthalo eyanine compounds.
2.	146317	8-7-77	Council of Scientific & Industrial Research, Rafi Marg, New Delhi, India.	Improved process for hot dip galvaluning (Aluminium, Zinc alloy coating) of steel substrates using aqueous or molten.
3.	146324	16-5-77	Union Carbind Corporation, at 270 Park Avenue, New York, State of New York 10017.	Process of treating fabrics with foam.
4.	146325	7-12-77	Hoechst A.G. of 6230, Frankfurt main 80 Federal Republic of Germany.	A water free solid water soluble dying composition.
.5.	146327	17-6-77	Council of Scientific & Industrial Research, Rafi Marg, New Delhi, India.	Improvements in or relating to the preparation of θ — is opropylphenols.

1	2	3	4	5.
6.	146337	8-7-77	Council of Scientific & Industrial Research, Rafi Marg, New Delhi, India.	A novel process for the synthsis of paptides.
7.	146338	3-7-76	Union Carbide India Limited, 1, Middleton Street, Calcutta-700 071. West Bengal, India.	Separate Electrolytepaste and zinc manganese dioxide dry cell of improved leak proofness containing the same.
8.	146339	10-5-77	The Chemithon Corporation, washington Corporation, of 5430 West Marginal Way, S. W. seattle, Washington, 98106, United States of America.	Sulphonation of organic reactants and apparatus therefor.
9 .	146343	11-7-77	FMC Corporation, 2000 Market Street, Philadelphia, Pennsylvania 19103, U.S.A.	Process for preparing a herbicidal 1,3-dioxane.
10.	146347	18-11-77	Monsanto Company, a Delaware Corporation, of 800 North Lindbergh Boulevord St. Louis Missouri 63166, U.S.A.	Process for preparing O-Aryl-N-Phosphenomethyl glycinonitriles and salts thereof.
11.	146348	18-11-77	Do. —	A process for preparing N -N' Methlyene Bis (0-0-diaryl N-Phosphonomethyl glycino nitires.)
12,	146351	7-5-76	IMI, Kynoch Limited, a British company, of kynoch works, witton, Birmingham B6 7BA, England.	A method of manufacturing an alloy of titanium,
13,	146361	11-8-77	Kurcha Kagaku Kogyo, A No. 8 Horidome, Cho-1-chome Nihoubashi, Chuo-Ku, Tokyo, Japan.	Method for preparing besides sycetes.
14.	146362	7-5-76	Eischwerk-Gesellschaft Maximilianshutte mbh, a limited liability company organised and existing under the laws of Federal Republic of Germany of 8458, sulzbach Rosenberg, West Germany.	Method and apparatus for continious- gasification of solid/and /or fluid carbon containing and/or hydrocarbon containing substances in molten iron in a reaction vessel.
15,	146402	3-10-77	Council of Scientific & Industrial Research, Rafi Marg, New Delhi, India.	Improvement in or relating to a process for the electro deposition of a bright cudmium on steel surface.
16.	146408	24-1-78	Union Carbide Corporation, at 270 Park Avenue, New York, State of New York- 10017, U.S.A.	Improved hydrofermylation process.
17.	146435	26-8-77	Council of Scientific & Industrial Research, Rafi Marg, New Delhi, India.	Process for manufacturing of improved lithographic printing plates and more articularly multilayer printing plates.
18,	146446	11-8-77	Kureha Kagaku Kogyo of No. 8 Haridome, Cho-l-Chome Chuoku-Tokyo, Japan.	A method of propagating the mycella of fungees from the family Polyporaceau belonging to the class basidoomycetes.
19.	146448	7-2-77	American Home Products Corporation, State of Delaware, U.S.A. of 685, Third Avenue, New York 10017, U.S.A.	Process for the preparation of oxanilic acid derivatives
20.	146477	28-7-77	Council of Scientific & Industrial Research, Rafl Marg, New Delhi, India.	A process for the recovery of copper powoder from very dilute solutions.
21.	146478	13-5-77	Multicore Solde Limited, Kelsey House, Woodlane End, Maylands Avenue, Hemel Hempstead, Hertfordshire HP2 4RF, Eng- land.	Flux composition for soft soldening.
22.	146479	14-6-77	USS Engineers and Cousultants Inc., at 600 Grant Street, Pittsburg, State of Pennyl-	Process for producing a synthetic rutile from ilemenite.
23.	146499	3-10-77	vania. U.S.A. Aluminium Company of America, Pennsylvania, U.S.A., of Aloca Building, Pittsburgh, U.S.A.	Metal Flake Production.
24.	146516	16-10-77	Shell Internationale Research Maatschappij B. V., a Research Company, of Carel Van Bylandtlaan 30, The Hague, The Netherlands.	Esterification of hydrocarbyl substituted Succinic anhydrides.
25.	146526	25-5-77	Ciba-Goigy of India Limited, of Aarey Road, Gorogaon East, Bombay-400 063, Maha- rashtra, India Swiss Company Ciba-Geigy Limited, Basle, Switzerland.	Process for the manufacture of new imidazolines.

1	2	3	4	. 5
26.	146531	19-10-76	Aluminum Pechiney, 28, rul de Bonnel 69003 Lyon—France.	Purification of solutions circulating in the bayer cycle for the alkali treatment of Bauxites by a barium compound.
27.	146537	30-8-77	Kurehakagaku Kogyo of No. 8 Horidome- cho 1-Chowe—Nihon Bashi Chuo, Ku, Tokyo, Japan.	A method of producing novel monokaryotic mycelolum of cariolus varsi color,
28.	146553	24-8-77	Do.	Method for the cultivation of basidiomycetes.
29.	146555	30-11-76	Union Carbide Corporation, U.S.A.	A method of preparing carbamate sulfenyl carbomoyl fluoride compounds,
30.	146599	1-12-76	Canning Mitra Phoenix Limited, Eucharistic Congress Building III, 5, Convent Street, City of Bombay, State of Maharashtra, India.	An improved acidic zinc electroplating both for bright or glassy zinc electro deposition and a process therefore.
31.	146605	19-12-77	Monsanto Company, A Delaware Corporation, of 800 North Lindbergh Boulevard, St. louis, Missouri 63166, U.S.A.	Process for producing mono or Di-N Phosphonomethyl glycerine salts.
32.	146607	15-12-77	Mundipharma AG., St. Alban-Vorstadt 94 4006 Basel/Switzerland.	Method of preparing an anti arrhythmic Quinudidine carboxylic acid xylidide.
33.	146608	29-12-77	Explosafe S.A., a Swiss Body Corporate, of 11 Rue d'Italie, 1211 Geneva 3, Switzerland.	Improved explosion supperessive filter masses and an improved method of forming the same.
34.	146612	30-8-77	Kureha Kagakukogyo of No. 8 Horidone, Sho-1-chome Nihonbashi chou-ku Tokyo, Japan.	Improvement in a method for the cultiva- tion of basidiomycetes belonging to genus curiolus of polyporacease.
35.	146615	18-8-77	Council of Scientific & Industrial Research, Rafi Marg, New Delhi, India.	An electrichemical process for preparation of uithographic printing trimetallic plates and the plates 50 prepared.
36.	146617	, 30-6-77	Pfizer Inc., State of Delaware, United States of America of 235 East 42nd Street, New York, U.S.A.	A process for the proparation of 5-m-toly-loxy uxacil anti ulcer agent.
37.	146619	13-12-77	ICI Ltd., Imperial Chemical house, Hill Bank, London, England.	Process for the production of methanol.
38.	146620	7-2-77	American Home Products Corporation, a corporation of Delaware, U.S.A. of 685, 3rd Avenue, New York, 10017, U.S.A.	Process for the preparation of oxanilic acid derivations.
39.	146621	7-2-77	Do.	Do.
40,	146625	11-8-77	FMC Corporation, 2000, Market street, 19103, Philadeolphia, Poursylnania/U.S.A.	Process for the preparation of an insectionial compound.
41.	146627	23-8-77	General Electric Co. of 1, River Road, Schenertady state of New York 12905 U,S.A.	Process for preparing an aromatic carbonat
42.	146629	1-10-75	Fierro Esponda SA of avenida, Los Angels, Republic of Mexico.	Method of Reduction of metal oxides.
43.	146631	20-4-76	Phillips Petroleum Co of Basntesvelle state,	Process for producting olefin ploymers.
44.	146632	3-11-77	U.S.A. Council of Scientific & Industrial Research, Rafi Marg, New Delhi, India.	A process for preparation of tertiory alkyl esters from the corresponding halides.
45.	146649	6-6 -7 7	Johnson & Johnson of 501 George Street, New Jersey, U.S.A.	A self supporting elastic and thormio plastic film and process extruding the same.
46.	146655	22-8-77	General Electric Co, A 1, River Road, Schemeet State of New York 12305 U.S.A.	Process for the preparing an aromatic carbonate.
47.	146661	6-7-77	Union Carbide Corporation, at 270 park Avenuc, New York, U.S.A.	Improvements in or relating to hydro formylating an aplha-olefin.
48.	146663	3-11-77	The Tata Iron & Steel Co, Ltd. Jamshedpur, Bihar, India.	Improved method of making hot chalks.

1	2	3	4	5
49.	146666	18-5-78	Ahmedabad Textile industry's Research Assn. Act XXI of 1860, P. O. Polytechnic, Ahmedabad-380015, Gujarat, India.	A Process for bleaching textile being cotton and it blends and an equipment forth.
50.	146671	27-1-77	Acierles Du Manoir Pompey, of 62 Boulevard-Victor Rugu, 92200 Neuilly-sur-Seine, France.	Improvements in or relating to heat resis- ting Nickel chromium alloy having high resistance to oxidation carburization and high temperature.
51.	146685	7-2-77	American Home Products Corporation, State of Delaware, U.S.A of 685, Third Avenue. New York, 10017, U.S.A.	Process for the preparation of examile acid derivatives.
52.	146690	17-8-77	Societe D'Etudes De Produits Chimiques, 4 rue Theodule-ribot, 75017 Paris, France a french Company.	Preparation process for a new pyrimidine derivatives.
53.	146699	12-1-77	Hindustan Lever Limited, at Hindustan Lever House, 165/166 Backbay Reclamation, Bombay-400 020.	An antiprespirant composition.
54.	146731	29-12-77.	Chinon Gyogyszer, of 1-5 to utc Búdapest Hungary.	Process for preparing inquinolies acetamide derivatives.
55.	146734	11-8-88	Union Carbide Corporation, 270 Park Avenue, New York, State of New York 10017, U.S.A.	A process for producing aldehyde products by rhodium catalyted hydroformylation of alpha, olefines.
56.	146768	8-7-77	Dunlop Plantations Limited, 6th Floor, 47-48 Pic cadilly, London W1V 9AH, England, Allington House, 136—142, Victoria Street, London Sw1E 5LD, England.	Method for the treatment of bio degradable material.
57.	146771	5 -5-77	Chinon Gyogyszer of 1-5 to U Budapest IV Hungary.	Process for the preparation of Novel-Wamino-carboxylic addid amides.
58.	146785	4-5-77	UOP, Inc. Ten UOP Plaza-Algonquin & Mt. Prospect Roads, Des Plaines, Illinois, U.S.A.	Process for the catalytic hydrorefining of an asphaltenic hydrocarboneaceous change stock employing a catalyst provided on support material having improved macro- pone volume.
59.	146788	10-6-74	Westing House Ecletric Corporation, gateway centre, Pittsburgh, Pennsylvania-15222 United States of America.	Flexible non-talky prepregs and method of making same.
60.	146802	14-12-77	Hercules incorporated, of Willington, State of Delaware 19899, U.S.A.	Process for recovering and from subter- ranean formation.
61.	146806	25-8-77	Miles Laboratories Inc., State of Delaware, United States of America of 1127 Myrtle street, Elkhart, Indiana 46514, U.S.A.	Method of preparing a test device for determining the presence of a constituent in a sample particularly a bodily fluid.
62.	146818	17-3-78	The Indian Space Research Organisation, Department of Space "F" Block, Cauvery Bhavan, District Office Road, Bangalore- 560 009, Karnataka State, Government of India.	Process for the production of polyols containing basic nitrogen.
63.	146826	9-8-77	Johnson & Johnson of 501 George Street, New Brunswick, New Jersey, U.S.A.	Pressure sensitive adhesive tape.
64.	146844	30-11-76	Union Carbide Corporation, at 270 park Avenue, New York, State of New York 10017 U.S.A.	A method of preparing novel symmetrical N-substituted bicarbampyl sulphid compounds.
65.	146850	31-12-77	Veb Jenapharm DDR, 69 Jena, Postfach 50, German Democratic Republic.	Process for the manufacture of New gona-4, 9(10) Dienes.
66.	146879	5-11-76	Ahmedabad Textile Industry's Research Association, Act XXI of 1860, P. C. Coly- technic, Ahmedabad-15, Gujarat, India.	Process of obtaining speckled or Dyeing or printing effects or fabrics.

1	2	3	4	5 1
67.	146880	9-7-76	Sckisui Kascihin Kogyo K. K. No. 1-25, minamikyobate-cho, Nara-shi, Nara, Japan. A Japanese Company.	Die for producting receptacles from ther- moplatic resin foam sheet.
68.	146890	13-10-77	Metallgesellschaft A. G. of 16, Frankfurt, Reuferweg, 14 West Germany.	Process of regenerating laden absorbents which become available when hydrocarbon containing gases are purified.
69.	146909	29-12-77	Richter Gedeon Vegyeszeti of 21 Gyomsn u, Budapest X Hungary.	Process of preparation of new indologui- nolizine mono esters, diestes of nitriles.
70.	146925	7-9-77	Council of Scientific & Industrial Research, Rafi Marg, New Delhi.	Process for the preparation of improved alloy of magnosium for use as Galvariic anode.
71.	146932	8-9-77	Texaco Deul Corporation of 135 east 42nd street, New York 10017, United States of America.	Production of cleaned and purified synthesis gas and carbon monoxide.
72.	146933	15-9-77	Hoechst A. G. of 6230 Frankfurt/Main 80 Federal Republic of Germany.	Process for modifying mixtures of azodyes- tuffs constable under dyeing conditions.
73.	146954	3-10-77	Pfizer Inc., of 235 East 5 42nd Street, New York, State of New York, U.S.A.	Process for conversion of trans to cis N-N-dimethyl-9— [—3—(4-methyl-1-piperaziyl) proplidene] thioxanthene-2-sulphonamide and recovery of the cis isomer.
74.	146959	21 -7- 76	Nitto Boscki Co., of 1 Aza Higashi, Gonome, Fukushima-shi, Japan.	Anorific plate for the drawing of glass fibers.
75.	146961	24-1-77	Hoechst A.G. of 6230 Frankfurt, Main 80, Federal Republic of Germany.	A dispension of organic and inorganic solid having acidic groups on its surface and process fo prepasing the dispension.
76.	146963	18-5-77	Exxon Research and Engineering Company, at 1900 Linden Avenue, Linde, New Jersey, U.S.A.	Method and apparatus for the separation of different materials having different specific gravities, sizes, weights and for fluidization, velocities.
77.	146967	16-12-77	Behringwerke Aktiengesellschaft, of Marburg/Lahn, Federal Republic of Germany, Chemical Manufacturers, a Republic of Germany.	A process for the production of immunoglobulin preparations with a reduced complement activity.
78.	1469 86	25-3-77	UOP INC., the state of Delaware, at 10 UOP Plaza, Algonquin & Mt. Prospect Roads, Des Plames, Illinois, U.S.A.	Method of reactivating a spout liquid catalytic phthalocyanine composite.
79.	146989	9-11-77	Shell Internationale Research Maatschappij B. V., a research Company of Carel Van Bylandtlaan 30, The Hague, The Netherlands.	Process for the production of a hydrocarbon mixture containing 2 2-2 trimothlyl butan.
80.	146997	17-11-77	Ernst Spirig, of Movenstrasse 37, CH-8640, Rapperswill, Switzerland, a Swiss national.	Improved water decomposition apparatus:
81.	147013	8-7-77	Hindustan Lever Limited, at Hindustan Lever House, 165/166 Backbay Reclamation Bombay-400 020.	Process for refining triglyceride oils.
82.	147019	15-9-76	Chinon Gyogyszer ES. Vegyeszet of Toutea 1-5, Budapest IX Hungary.	Process for the preparation of new benzi- midazole derivatives.
83.	147022	20-1-78	Union Carbido Corporation, at 270 Park Avenue, New York, State of New York- 10017, U.S.A.	Method for preparing titanium modified silyt chromati catalis to for ethylene polvmerization.
84.	147045	12-8-77	Pilkington Brothers Canada Limited, of 101 Richmond Street West Toronto, Ontario	Method for producing laminalidglass.
85.	147048	3-12-77	Canada. Hoechst Aktiengesellschaft, of D 6230 Frankfurt/Main 80, Federal Republic of Germany.	Process for making stabilized red phosy; phorus.
86.	147049	21-11-77	Shell Internationale Research Maatschappij B.V. Carel Van Bylandtlaan 30, The Hague, The Netherland.	A process to the preparation of crystallins silicates.

1	2	3	4	5
87.	147056	5-10-77	Pfizer Inc. of 235 East 42nd Street, New York, United States of America.	A process for the production of spino- hydontain compounds.
88.	147082	13-12 -77	Deutsche Gold und silber A Weissfrane- ustrasse 96000 Frankfurt, Federal Republic of Germany.	A process for the production of (11—dithien—(3)yl (—1) proper [-3-(yl) (1—phenyl-1-hydroxy (2)-proplyl)-arnine].
89.	147119	15-12-7 7	Deutsche Gold und silber of Weissfraneus- trasse 9600 Frankfurt Federal Republic of Germany.	Process for the preparation of basic substituted alkyl theorphylhin.
90.	147134	1-10-77	Union Carbide Corporation, New York, located at 270 park Avenue, New York, State of New York 10017, United States of America.	Process for the preparation of N-substituted bis-carbonoyl-sulfide compounds.
91.	147144	30-9 -7 7	Union Carbide Corporation, 270 park Avenue, New York, U.S.A. and 2800 Grant Building, Pittsburg, State of Pennsylvania 15219, U.S.A	Renitrogenation of basic Oxygen Steels during decarbunization.
92.	147145	5-12-77	Showa Denko Kabushiki Kalsha, 13-9, Shiba Daiman, 1-Chome, Minato-ku, Tokyo Japan.	Process for preparing a ferro chromium by using a blast furnace.
93.	147159	18-10-77	Shell Internationale Research Maatschappij B. V. of Carel Van Bylandtlaan 30, The Hague, The Netherlands.	Process for the preparation of hydrocarbons.
94.	147195	24-4-78	Instytute Technologii Nafty of Lukaseen- oloza, Str-1 Krakoro, Poland.	Method of preparation of electrode coke suitable for high intensity electrodes for iron and Steel metallurgy.
95.	147215	5-1-78	Josef H. Schick of Mozarstrse 10, Koln, Pesch, Federal Republic of Germany.	An improved process and apparatus for the microbiological production of single cell protein using a ethanol base.
` 96 .	147216	29-3-78	Nippon Soda Co. Ltd., A No. 2-1 ohtema- chi, 2-chome Chiyoda-ku Tokyo, Japan.	Process for the preparation of imidazole derivatives and metal salts thereof.
97.	147225	22-9-77	Union Carbide Corporation, 270 Park Avenue, State of New York, 10017, United States of America.	Preparation of modified and activated chromocone catalysts for ethylene polymerization.
['] 98.	147235	6-7-78	UOP, INC., a corporation organized under the laws of the state of Delaware, Ten UOP Plaza-Alonquin & Mt. Prospect Roads, Des Plaines Illinois, U.S.A.	Production of titanium metal values.
99.	147236	21-7-78	Prodes S.A., of Trabajo Street, San Justo Desvern, Barcelona, Spain.	Process for preparing lysine 2 (6-methoxy2-napthyl) proprionate.
100.	147249	9-2-77	Fierro Esponja S A of Arenide Los Angels, Oriente Monterry, N.L. Republic of Mexico U.S.A.	Method and apparatus for batchwise reduction of metal oxides in a gaseous reduction system.
101.	147251	15-11-77	Westinghouse Electric Corporation of Westinghouse, Building Gateway Centre, Pittsburgh, Pennsylvania 15222, U.S.A.	Electrical article comprising a metal conductor and a cured insulating body in contact with said conductor in S F 6 gas environment.
102,	147254	13-10-78	Gopi Khishen Kabra of 17 Camac Street, Calcutta-700017, India.	An adaptor for use with a portable liquided petroleum gas can and a portable liquified gas can having said adaptor.
103.	147255	5-10-77	FMC Corporation, 2000, Market Street, Philadephia, pennsylvania 19103, U.S.A.	Process for obtaining hydrogen sulphide free steam from geothermal steam or industrial gas steam containing hydrogen sulfide and water vapour.
104.	147264	9-3-78	Kontiki Chemicals and Pharmaceuticals Pvt. Ltd. A. K. Office Building Mill Road, Balipatam, Kerala State, India.	Process for the preparation of coir derivatives.
105.	147266	10-2-78	Hindustan Lever Limited, Hindustan Lever House, 165/166 Backbay Reclamation, Bombay-400 020.	Deodorant detergent composition.

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106.	147268	26-5-78	Ciba-Geigy of India Limited, of Aarey Road Goregaon East, Bombay 400 063, Maha- rashtra, India, Swiss Company Ciga-Geigy Limited, Basle, Switzerland.	Process for the manufacture of 5-substituted 2-4- diaminopyrimidines.
107.	147274	17-2-77	Union Carbide Corporation, at 270 Park Avenue, New York, State of New York, U.S.A.	An electrochemical cell,
108.	147275	17-2-77	Do.	Do.
109.	147291	25-10-77	Societa' Pneumatici Pirelli Societa' per Azuibu Joint Stock Company, Republic of Italy, of Piazzale cadorna 5, Milan, Italy.	Process for the manufacture of tyres.
110.	147296	27-6-77	Union Carbide Corporation at 270 Park Avenue, New York, State of New York 10017, U.S.A.	Process for the lowering the sulfer contest of vanadium—carbon materials used as addition to steel.
111.	147300	26-7-77	ICI Ltd. of Imperial Chemical, House, Millbank London, SWIP3JF England.	A set-inhibited aqueous calcium sulphate hermi hydrate plaster slurry composition.
112.	147301	30-11-77	Do.	Slurry explosive composition and method for preparing the same.
113	147307	8-1-79	Kontiki Chemicals & Pharmaceuticals Pvt, Ltd. of A.K. Building Nill Road, Balia- patam, Kerala State, India.	Process for preparing derivatives from Coffee husks.
114.	147317	22-12-77	Shell Internationale Research Maatschappij B.V., Research Company, of Carek Van Bylandtlaan 30, The Hague, The Netherlands.	Apparatus for the gasification of finely divided fuels.
115.	147324	3-11-77	Pechiney Ugine Kuhlmann, 23 rue Balzac 75008, Paris, France.	A process for purifying the exhaust gases given off by direct type interval combustion engines.
116,	147335	28-11-77	American Cyanamid Company of wayne, New Jersey, U.S.A.	A method for the preparation of m-pheno- xybenzyl esters of 2 haloakyl (OXY-thio- sulfinyl-or sulfonyl) phenyl alkanoic acids useful as insecticided and acaricidal agents.
117.	147336	11-1-78	Midrex Corporation a corporation of Delaware, one NCNB Plaza, Charlotte, North Carolina 28280, United States of America.	Method and apparatus for reducing parti- culate iron oxide to metalhe iron with solid reductant.
118.	147342	23-3-77	Uss Engineers and consultants, INC, at 600 Grant Street, Pittsburg, State of Pennsylvania, U.S.A.	Continuous casting method for the production of rolled low carbon steel products with improved form ability.
119.	147365	18-11-77	Hindustan Lever Limited, at Hindustan Lever House, 165/166 Backbay Reclamation, Bomboy 400 020.	A process for the preparation of a pre mix to foodstuffs for human and animal,
120.	147367	27-12-77	Do.	Process of selective hydrogenation of poly insaturated organic compounds.
121.	147371	1-3-78	Do,	Fabric softening composition and process for preparing the same.
122.	147375	4-8-76	Do.	Method of preparing mango kernel fact use in confectionary.
123.	147395	27-3-78	International Minerals & Chem. Corpn. of I ibertyville, Illinoj's New York, U.S.A.	Froth floatation method for the benefication of phosphate ore.
124.	147406	19-1-78	Deutsche Gold und silber, schet, A 9 weissfranesh-frasse, Frankfurt (Main), Federal Republic of Germany.	A process for the production of a mixture A of 2-methylpyridine and-3-methyl pyridine.
125.	147418	9-3-78	Kontiki Chemicals & Pharmaceuticals Pvt. Ltd. of A. K. Office Building, Mill Road, Balipatam Kerela State, India.	Process for preparing an improved adhesive substance.

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126.	147422	20-6-78	Ciba-Geogy of India Limited, of Aarey Road, Goregaon East, Bombay 400 063, Swiss Company, Civa-Gelgy Limited, Basle, Switzerland.	Process for the production of Pharmacolo- gically active new nitramidazoles.
127.	147427	21-1-78	Shinetsu Chem Co. Ltd. A 6-1 otemachi-2-chone, Chiyoda ku-Tokyo, Japan.	Improved method for the polymerization of vinylmonomers.
128.	147428	7-3-79	Union Carbide India Limited, an Indian Company of 1, Middleton Street, Calcutta-700 071, West Bengal, India.	A process for the selective chlorination of side chain is aromatic compounds.
129.	147429	24-1-78	Union Carbide Corporation, at 270 Park Avenue, New York, State of New York 10017, U.S.A.	Improved hydrofermylation process.
130.	147430	19-1-78	Deutsche Gold und silber scheidean of weiss- frauen Strasse, Frankfurt (Main) Federal Republic of Germany.	A process for the production of 3-methly pyridine.
131.	147448	20-8-77	Hindustan Lever Limited, at Hindustan Lever House, 165/166 Backbay Reclamation, Bombay 400 020.	Process for imporving the colour and removing the undesirable odous of soap.
132.	147475	16-5-77	Union Carbide Corporation, at 270 Park Avenue New York, 10017, U.S.A.	A foam application head for application of foam to a substrate.
133.	147488	15-11-77	American Home Products Corporation, of 685, Third Avenue, New York 10017, U.S.A.	Process for production of quinazoline derivatives.
134.	147501	9-3-78	Gulf Research & Development Co., P. O. Box 2038, Pettsburgh, Pennsylvania, 15230 U.S.A.	Process for the separation of ash from coal liquids with intermittent addition of an additive.
135.	147502	9-3-78	Do.	Process for separation solids from coal liquids with an additive blend,
136,	147503	9-3-78	Do.	Process for separation of solids from coal liquids using an additive.
137.	147506	10-11-76	Mundipharma A. G., St. Alban-Vorstadt 94, 4006 Basel/Switzerland.	Process for the production of New Quinuclidine compounds.
138.	147509 .	13-1-78	Aluminum Company of America, of Aloca Building, Pittsburgh, Pennsylvania, U.S.A.	Mathod of producting high purity aluminium chloride.
139.	147516	6-1-78	Ladislav Joseph Pircon of 305 Canterberry Lane, Oak Brook, Illinois 60521, U.S.A.	Low pressure drop heterogenous reactor and process.
140.	147522	2-5-78	Ahmedabad Textile Industry's Research Association P. O. Polytechnic, Ahmedabad- 15, Gujarat, India.	Resist Print paste.
141.	147527	28-12-77	Council of Scientific & Industrial Research, Rufi Marg, New Delhi, India.	A process for the preparation of New yellow to violet azo N-substituted pyridone disperse dyes for synthetic fibres.
142.	147546	19-10-77	Shell Internationale Research Maatschappij B.V., of Carel Van Bylandtlaan 30, The Hague, The Netherlands.	Improvements in a process for reactivating silver catalyst.
143.	147547	19-10-77	Do,	Improvements in the process for the production of ethylene oxide.
144.	147552	9-1-78	Minnesota Mining and Manufacturing Com- Company, of Delaware, of 3M Center, Saint Paul, Minnesota 55101, U.S.A.	A method of preparing a nonimitating composition for the prophylaetic treatment of mastites.
145.	147555	24-4-78	Sumitomo Chem Co. Ltd. of 15, Kitahaina 5 chome Higorhi Ku osaka, Japan.	Process for the producing 1 amino-2-bromo-4- hydroy anthraquinone.
146.	147580	31-1-78	Council of Scientific & Industrial Research, Rafi Marg, New Delhi, India.	Process for the preparation of Novel Zinc sodium silicate priner for protection of steel structure.

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147.	147588	3-1-78	Siemens A.G. of Berlin and Munich West Germany.	A polymer stabliliser composition.
148.	147594	6-12-77	Chauset Dolomies Duboulonnais 26 Ruedes cerdehieres De lindustine De Hydraulique of 23, ruede, Paris France Lebnon 1201 Switzerland.	A process for preparing a light weight concrete material.
149.	147599	29-6-78	Hindustan Lever Limited at Hindustan Lever House, 156/166 Backbay Reclamation Bombay 400 020.	A method removing unsaponifiable material from sapomfied synthetic fatty acids.
150.	147640	11-5-78	Shell Internationale Research Maatschappij B. V. of Carel Van Bylandtlaan 30, The Hague, The Netherlands.	Process for preparing liquid hydrocarbons from coal.

CHEMICAL LIST NO. X

COMMERCIAL WORKING OF PATENTED INVENTION

The following patentes in the field of Chemicla Industry are not being commercially worked in India as admitted by the Patentees in the statement filed by them under section 146(2) of the Patents Act, 1970 in respect of calender year 1981, generally on account of want of requests for licence to work the patented inventions, Persons who are. interested to work the said patents commercially may contact the patentees for the grant of licence for the purpose.

147648 147690 147713	15-6-78 20-3-78 25-1-78	Solvay & Cie 33 Rue de Prince Albert, B-1050, Bruzelles, Belgium. Lilly Industries Ltd. Henrietta House, Henrietta Place, London, W. 1 England.	Process for the preparation of aqueous suspensions containing at least 65% by weight of calcium carbonate. A method for preparing a synergistic durgicidal formulation.
		Henrietta House, Henrietta Place,	
147713	25-1-78		
		Plasmesco Aktiengesellschaft Hanibuhl 8, CH-6300 Zug, Switzerland.	Process of preparing a serum protein composition for intravenous application.
147718	8-9 - 77	Didier Engineering GmbH Alfredstrase 28, 4300 Essen, FR Germany.	Process & apparatus for the continuous procuduction of filament yarns of polymers.
147721	23-3-77	Shell Internationale Research Maats- chappik BV Carel Van Bylandtlaan 30, The Hague, The Netherlands.	Process for the production of ethylene oxide.
147722	25-2-78	CSIR, Rafi Marg, New Delhi.	Improved extrusion device for plastic material for use in chemical and food industries.
147741	21-11-77	Hoechst AG, 6230 Brankfurt Main 80/FRG	Improvements in a process for dyeing mesh fabrics and woven fabbics made from cellulose fibres in rope form.
147745	22-7-77	Ahmedabad Textile Industry's Research Association, P.O. Polytechnic, Ahmedabad 15 Gujarat India.	A rapid abrasion testing means for laminats or sheets material such as fabrics plasitics paper and leather.
1 47 778	30-3-78	Societe De Etudes De Produits Chimiques, 4, Rue Theodule-ribot, 75017 Paris France.	A process for the preparation of -2-iso propyl-4 (2-ethenoyl-5-methyl -phenoxy acetic acid.
147785	31-1-78	Matsushita Electric Works Ltd. No. 1048, Oaza, Kadoma, Kadoma-shi Osaka, Japan.	Method for producing a controlling agent for controlling injurious insects.
147787	9-5-87	Dr. N.A. Ramaiah Director, National Sugar Institute U. P. India.	Bagasse pol and moisture reducer composition.
147788	31-10-77	Union Carbide Corporation 270 Park	A thermochemical scaring process and apparatus therefor.
	147722 147741 147745 147778 147785	147722 25-2-78 147741 21-11-77 147745 22-7-77 147778 30-3-78 147785 31-1-78 147787 9-5-87	147721 23-3-77 Shell Internationale Research Maats-chappik BV Carel Van Bylandtlaan 30, The Hague, The Netherlands. 147722 25-2-78 CSIR, Rafi Marg, New Delhi. 147741 21-11-77 Hoechst AG, 6230 Brankfurt Main 80/FRG 147745 22-7-77 Ahmedabad Textile Industry's Research Association, P.O. Polytechnic, Ahmedabad 15 Gujarat India. 147778 30-3-78 Societe De Etudes De Produits Chimiques, 4, Rue Theodule-ribot, 75017 Paris France. 147785 31-1-78 Matsushita Electric Works Ltd. No. 1048, Oaza, Kadoma, Kadoma-shi Osaka, Japan. 147787 9-5-87 Dr. N.A. Ramaiah Director, National Sugar Institute U. P. India.

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43	145500	20-3-78	Lilly Industriae Ltd. Unwinted House	A method of preparing a synergistic fungi-
13. 14.	147792 147793	20-3-78 Do.	Lilly Industries Ltd. Henrietta House, Henrietta Place London W 1 England. Do.	cidal fornulation (A).
15.	147794	Do.	Do.	Do.
16.	147796	15-4-78	American Cyanamid Co. Wayne, New Jersey, USA.	A adiabiatic process for the mononitration of benzenc.
17.	147801	6-2-78	Societe D'etudes De Produits Chimiques 4 Rue Theodule ribot, 75017 Paris, France.	Process for the preparation of isobutyramide derivatives.
18.	147815	15-11-77	American Home Products Corporation 685, Third Avenue, New York, 10017 USA.	Process for production of guinozaline derivative.
19.	147818	11-5-78	Indian Oil Corporation Ltd., 254-C Dr. Annie Besant Road, Prabhadevi, Bombay-25.	Flow improvers from waxy petroleum crude oil and the crude oil containing the same.
20.	147845	28-12-77	CSIR Rafi Marg, New Delhi.	A process for making molecular sieve zeolites from paddy husk.
21.	147851	6-1-78	Ladislav Joseph Pircon 305, Cantebberry Lane, Oak Brook Illinois 60521 USA.	Process for the production of fertilizers.
. 22.	147852	13-1-78	Aluminium Co. of America Aloca Building Pittsburgh, Pennysylvania, USA.	Process for the purification of waste gases obtained in the manufacture of aluminium chloride.
23.	147854	15-4-78	Pfizer Inc 235 East, 42nd street New York USA.	Process for the preparation of dextro rotary isomer of an asymmatric spirohydantain compound.
24.	147862	6-1-77	Union Carbide Corporation 270 Park Avenue, New York 10017 USA	Improvements in or relating to a process for aminating aliphatic alkane derivatives.
25.	147900	2-2-78	Aluminium Co of America Aloca Building, Pittsburgh Pennsylvania, USA.	Productions of anhydrous aluminium, chloride
26.	147919	19-4-78	Chugai Denki Kogyo Kabushiki Kaisha 13/3 Nihonbashi Kayabacho 2-chome Cho Ku-ku Tokyo, Japan.	A method of making improved Ag metal exudes electrical contact materials.
27.	147926	7-11-77	FMC Corporation 200 Market street, Philadelphia Pennsylvania 191, USA.	Process for preparing a herbicidal 1, 3-dioxanes.
28.	147937	24-1-79	Kontiki Chemicals & Pharmaceuticals Pvt. Ltd. A.K. Office Building, Mill Road, Baliapatam, Kerala India.	Process for the preparation of cellulose.
29.	147948	28-12-77	CSIR Rafi Marg, New Delhi.	An imporved process for the simultaneous electrolytic production of zinc metal and manganese dioxide from zinc sulphide concentrates and manganese orc.
30.	147954	28-7-78	Sodastream Ltd., Peterborough 21, Wainman Road, England PE2 OBS.	Portable apparatus for carbonating water.
31.	147962	15-5-78	Hindustan Lever Ltd. Hindustan Lever House 165/166 Backbay Reclamation Bombay-20	A process for making particulars detergent compositions
32.	147969	27-4-78	UOP INC 10UOP Place, Algoqun & Mt Prospect Roads, Des Plaines, Illmois USA.	A method of removing acids from liquids hydrocarbus.
33,	148011	9-3-78	CSIR Rafi Marg, New Delhi.	Improved process for powderless etching of aluminium and its alloy plates for use in block making.
34.	148020	21-7-78	Prodes SA Trabajo street, San Justo Dosvern Barcelona, Spain.	Process for preparing-1 -alkylamino-3 (4-carbamoylmethylphenoxy)-2- proponols.
35.	148032	6-6-78	The Calor Group Ltd. Calor House, Windsor Road, Slough Berkshire, England.	A method of preparing thermal energy storage material.
36.	148045	21-11-77	Pfizer Inc 235 East 42nd street New York USA.	Process for the production of 2-keto gluconate and 2-ketogluconate mixture from 2, 5-diketo glucoenic acid.

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37.	148070	12-12-78	Ahmedabad Textile Industry's Research Association P. O. Polytechnic, Ahmedabad- 15, Gujarat, India	A process for recovery of volatile solvents like kerosene from slovent and water impregnated material such as a printed textile material
38.	148085	14-3-78	Shell International Research Maatschappij BV Carel Van Bylandtlaan 30, The Hague The Netherlands	Process for the partial combustion of finely divided solid carbonaceous fuel and reactor for carrying out the same
39	148102	6-2-78	Societe Nationale Des pourdes Et. Expolsifs 12, Quai Henri IV, 75181 Paris, France	Ternary explosive compositions and an explosive charge containing the same.
40.	148133	15-5-78	UOP Inc 10 UOP Place, Algoquin & Mt. Prospect Roads Des Plaines, Illinois USA.	Production of titanium metal values.
41.	148140	22-8-78	CSIR Rafi Marg, New Delhi.	A process for the production of austenitice stainless steel free of nitrogen.
4 2.	148160	20-3-78	Gopi Khisen Kabra 17, Camac street, Calcutta-17 West Bengal, India	An adaptor for use with butane gas cartridge.
43.	148165	11-10-77	Union Carbide Corporation, 270 Park Avenue, New York 10017, USA	A process for production of low carbon sted.
44	148174	22-7-77	Wiggins Teape Ltd, 3 Lincoln's Inn Fields, London WC2A, England	Elongated fibrous structure
45	148175	Do	Do	Process and apparatus for manufacturing elongated fibrous elements
4 6.	148202	19-7-78	CSIR Rafi Marg, New Delhi.	An imporved process for desulphurisation of ferrous melts in the iron and steelindustry.
47.	148203	21-7-78	Lodge-Cottrell Ltd. George street, Parade, Birmingham B3 1QA England.	Improvements in or relating to fume extraction.
48	148204	4-8 -78	Do	Improvements in or relating to gas treatment plant
49.	148212	8 -3-78	UCB SA 4, Chausse de Charleroi, Saint Gilles Lez Bruxelles Belgiums	A container for packaging pressurised carbonated beverages
50.	148222	24-2-78	Interox 33, Rue de Prince Albert, B-1050 Bruxelles, Belgium.	Process for the production of super oxidised solid sodium perbonate in particle form.
51.	148226	9-11-78	CSIR Rafi Marg, New Delhi	Improved process for the production of die- electric oxide film coated etched aluminium foil for use as anodes in high voltage electrolytic capacitor.
52.	148231	21-1-78	UOP Inc 10 UOP Plaza, Algoquin & Mt Prospect Roads Des Plaines, Illinois, USA.	Hydrogen producing hydrocarbon conversion with gravity flowing catalyst particles
53.	148256	26-10-78	CSIR Rafi Marg, New Delhi	A process for the preparation of vandium pentaoxide from vanadium bearing slidge of alumina industry
54	148262	9-2 -7 8	UCB SA 4, Chausse de Charleroi, Saint Gilles Lex Bruxelles, Belgium	A process for the preparation of new 1,3-disubstituted ureas or 2-thio ureas.
55.	148265	6-4-78	CSIR Rafi Marg, New Delhi.	A process for obtaining hypolipandenic and antiplatelet aggregation fraction from gugel resin
56	148267	20-4-78	Pfizer Inc. 235 East 42nd Street, New York, USA	A process for preparing 4" deoxy- "O" sulfomylamino oleandomicine
57.	148273	3-7-76	CSIR Rafi Marg, New Delhi.	Improved process for the production of zinc phosphate using zinc carbonate.

1	2	3	4	5	
58.	148281	27-2-78	Shell Internationale Research Maatschapij BV, Carel Van Bylandtlaan 30, The Hague The Netherlaands.	Process for preparation of paraffimic and olefinic hydro carbons.	
59.	148297	12-1-78	Aluminium Co. of America Aloca Building, Pittsburgh, Pennsylvania, USA.	Imporved process for the production of high purity aluminium chloride.	
60.	148301	13-3-78	Sherritt Gordon Mines Ltd. 2800 Commerce Court West, Toronto Ontario, Canada.	Leaching of metal sulphides.	
61.	148321	25-9-78	CSIR Rafi Marg, New Delhi	Improved process for the preparation of sodium stearyl-2- lactylate.	
62.	148322	27-7-77	Hoechst AG 6230 Frankfurt Main 80 FRG.	Imporved process for the production of an organic dyestuff containing 1,2, 3 or 4-B sulfate ethyl sulfonyl groups.	
63.	148324	9-11-78	CSIR Rafi Marg, New Delhi.	An improved device for electrolytic etching of aluminium foil using direct current.	
64.	148326	2-2-78	Cluett Peabody & Co. 433 River street, Troy, New York, USA	An improved thermally economic process for the recovery of ammonia from a fabric web treated with liquid ammonia.	
65.	148349	15-4-77	UOP Inc. 10, UOP Place, Algoquin & Mt. Prospect Road, Des Plainies, Illinois, USA.	Process for the pretreatment of metal bearing ores containing a metal value selected from the group consisting of nickel, cobalt, copper and manganese valves from the desired metal bearing source.	
66.	148355	13-2-78	ICI Ltd. IC House, Mill bank, SW1, Parf, England.	Purifying methanol by distillation,	
67.	148386	18-7-78	Pfizer Inc 235 42nd street, New Yrok, 10017, USA.	A process for preparing antiviral aminederivatives of glycerol and propane diols.	
68.	148416	20-5-78	CSIR Rafi Marg, New Delhi.	A process for synthesis of 3 (2-benzo furamyl) 3- alkyl-2-3-dimethyl propionic acids useful as anti fertility agents.	
69.	148504	3-5-78	Shell internationale Research Maatschappij BV Carel Van Bylandtlaan 30, The Hague The Netherlands.	Process for the filteration of particles which form a compressible filter coke and simultaneous recovery of filtered liquid.	
70.	148529	28-3-77	Pfizer Inc 235, East, 42nd street, New York USA.	Preparation of novel cyclo pentone derivatives.	
71.	148530	Do.	Do.	Do.	
7 2.	148558	14-3-78	Shell Internationale Research Maatschappij BV Carel van Bylandtlaan 30, the Hague The Netherlands.	A process for the hydrogenation of hydrocarbons.	
73.	148581	11-1-79	Ciba Geigy of India Ltd., Aarey Road, Goregaon East, Bombay-400063 Maharash- tra India.	Process for preparation of 5-aralkyl 2-4-diamino pyrimidines.	
74.	148661	21-6 79	Societe De Conseils De Recherchers 264, Rue, du Faubourg, Saint Honore 75008, Paris, France.	Process for the preparation of new pyrim- dine derivatives.	
75.	148664	26-6-78	Exxon Research & Engg. Co. 1900 Linden Avenue, Linden New Jersey, USA	Lubricating oil composition and a process for preparing the same.	
76.	148695	6-3-78	Societe Nationale Des Pourdes et Explosifs 12, Quai Henri IV, 75181 Paris Cedex 04, France.	Process and apparatus for continuous nitra- tion of cellulose using a nitrating liquor comprising nitric acid, sulphuric acid and water.	

RENEWAL FEES PAID

117055 117150 117315 117453 117478 117852 118978 122513 122651 122690 122834 122845 122847 123148 123352 124118 125291 127710 127973 128004 128031 128065 128187 128193 128195 128498 128606 131251 132216 132394 132742 132551 132591 132622 132734 135450 135451 135452 135453 135883 136023 136407 136489 136494 136769 136809 137112 137153 137222 137259 137710 137812 138056 183272 138914 139089 139160 139185 139526 139539 139757 140025 140069 140445 140463 140851 140861 140945 141008 141082 141321 141548 141881 142201 142528 142907 143148 143271 143620 143798 144042 144095 144426 144427 144428 144429 144599 144562 144579 144968 145066 145311 145359 145417 145617 145724 145762 145973 146509 146559 146560 146734 146893 146975 147631 147798 148418 148475 149077 149114 149177 149182 149328 149352 149604 149629 149642 149761 149807 149850 149947 149988 149999 150071 150100 150121 150120 150122 150442

CESSAION OF PATENTS

112711 112722 112725 112727 112731 112744 112757 112770 122774 112775 112777 112789 112813 112819 112820 112824 112826 112847 112848 112857 112858 112861 112869 112887 112888 112893 112894 142565

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

- Class. 1. No. 152803. Electronic & Engineering Co., Dalia Industrial Estate Veera Desai Road, Andheri (West), Bombay-400 058, State of Maharashtra, India, an Indian Partnership firm. "Plaw Detector Probe". 26th February, 1983.
- Class. 1. No. 152804. Electronic & Engineering Co., Dalia Industrial Fstate, Veers Desai Road. Andherr (West), Bombay-400 058, State of Maharashtra India, an Indian Partnership firm, "Flaw Detector Probe". 26th February, 1983.
- Class. 1. No. 153251. Mrs. Bharati Baneriee, Indian National, heing Proprietrix trading as Solar Industries, 89/3, Biren Rav Road (West). Bakultala, Calcutta-700 061, West Bengal, India. "Stove". 11th July, 1983.
- Class. 1. No. 153203. Peico Electronics and Electricals Ltd., of Shivsagar Estate, Block 'A', Dr. Annie Besant Road, Worli. Bombay 18(WB), Maharashtra State, India. an Indian Company. "Stereo Amplideck", 14th June. 1983.
- Class, 1, No. 153281. Canara Industries, (a partnership firm duly registered under the Partnership Act), of

- Bata Compound, Khopat, Pokhran Road No. 1, Thane 400 601, State of Maharashtra, India "Halogen Lamp". 20th July, 1983,
- Class. 3. No. 153282. Eagle Flask Private Limited (an existing Company under the Companies Act) at Eagle Estate, Telegaon 410 507, District Pune, Maharashtra State, India. "Flask". 20th July, 1983.
- Class. 3. No. 153283. Eagle Flask Private Limited (an existing Company under the Companies Act) at Fagle Estate, Telegaon 410 507, District Pune, Maharashtra State, India. "Flask". 20th July, 1983.
- Class. 3. No. 153284. Eagle Flask Private Limited (an existing Company under the Companies Act) at Fagle Estate, Telegaon 410 507. District Pune, Maharashtra State, India. "Flask". 20th July, 1983.
- Class. 3. No. 153285. Eagle Flask Private Limited (an existing Company under the Companies Act), at Eagle Estate, Telegaon 410 507, District Pune. Maharashtra State, India. "Water Bottle". 20th July, 1983.
- Class 3. No. 153198. Peico Electronics and Electricals Ltd., of Shivsagar Estate, Black 'A', Dr. Annie Besant Road, Worli, Bombay 18(WB), Maharashtra State India, an Indian Company. "Stereo Recorder" 13th June, 1983.
- Class. 3. No. 153212. Milton Plastics, a registered Indian Partnership firm, registered under the Indian Partnership Act, 1932, having office at 202/203 Raheia Centre, 214 Nariman Point, Bombay-400 021, Maharashtra, India. "Insulted Water Bottle". 17th June, 1983.
- Class 3. No. 153202. Peico Electronics and Electricals Ltd., of Shivsagar Estate, Block 'A', Dr. Annie Besant Road, Worli, Bombay 18(WB). Maharashtra State, India, an Indian Company. "Stereo Amplideck". 14th June, 1983.
- Class 3. No. 153069. Arphi Electronics Private Ltd., a Company registered and existing under the Companies Act 1956. of Prabhadevi Industrial Estate, Vir Savarkar Marg, Bombay-400 025, State of Maharashtra. India. "Hearing Aid". 6th May, 1983.
- Class. 3. No. 153266. Cello Plastic Industrial Works, Vakil Industrial Fstate, Walbhat Road, Goregaon (East), Bombay-400 063, Maharashtra, an Indian Partnership Firm." 16th July, 1983.
- Class. 3. No. 152742. Harish Chander Chhabra, Indian, trading as R.R. Industries, 2596, Basti Punjabian, Subzi Mandi, Delhi-110007. "TOY". 2nd February, 1983.
- Class 3. No. 152984. J. G. Vacuum Flasks Ltd., an Indian Company duly registered under Companies' Act, 1956 and having its Registered Office at Chinchwad, Pune-411 019. Maharashtra, India. "Vacuum Flask". 8th April, 1983.
- Class. 3. No. 153079. Sada Ram & Sons, Badrinath Marg, Kotdwara, Pauri Garhwal, Uttar Pradesh, a firm registered under the Indian Partnership Act, 1932. "Shoc Sole". 11th May, 1983.

DR. K. V. SWAMINATHAN, Controller General of Patents, Designs and Trade Marks